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Rio Blanco Oil Shale Company

MODULAR DEVELOPMENT PHASE MONITORING REPORT FOURTEEN

Volume 2 of 2

January – December 1984

Year End Report

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'A General Partnership'
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RIO BLANCO OIL SHALE COMPANY
MODULAR DEVELOPMENT PHASE
MONITORING REPORT 14

January - December 1984
YEAR-END REPORT
APPENDICES

Prepared by:
RIO BLANCO OIL SHALE COMPANY
AURORA, COLORADO

May 31, 1985

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Atmospheric Studies

APPENDIX 2-1

Air Quality Data

APPENDIX 2-1.1

Plots of Gaseous Constituents Data at Site 1

RIO BLANCO OIL SHALE COMPANY
AIR QUALITY AND METEOROLOGY MONITORING PROGRAM
SULFUR DIOXIDE DATA (PPM) – SITE 1

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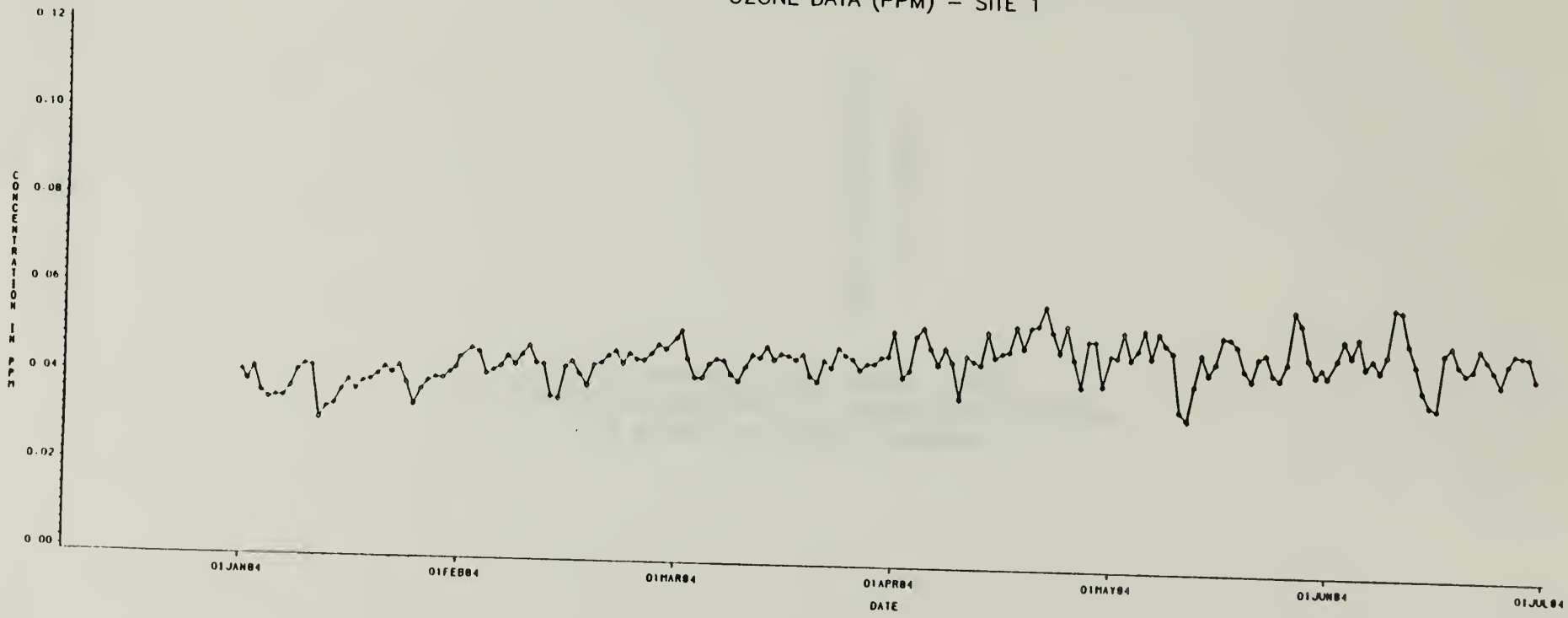
OZONE DATA (PPM) – SITE 1



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AIR QUALITY AND METEOROLOGY MONITORING PROGRAM
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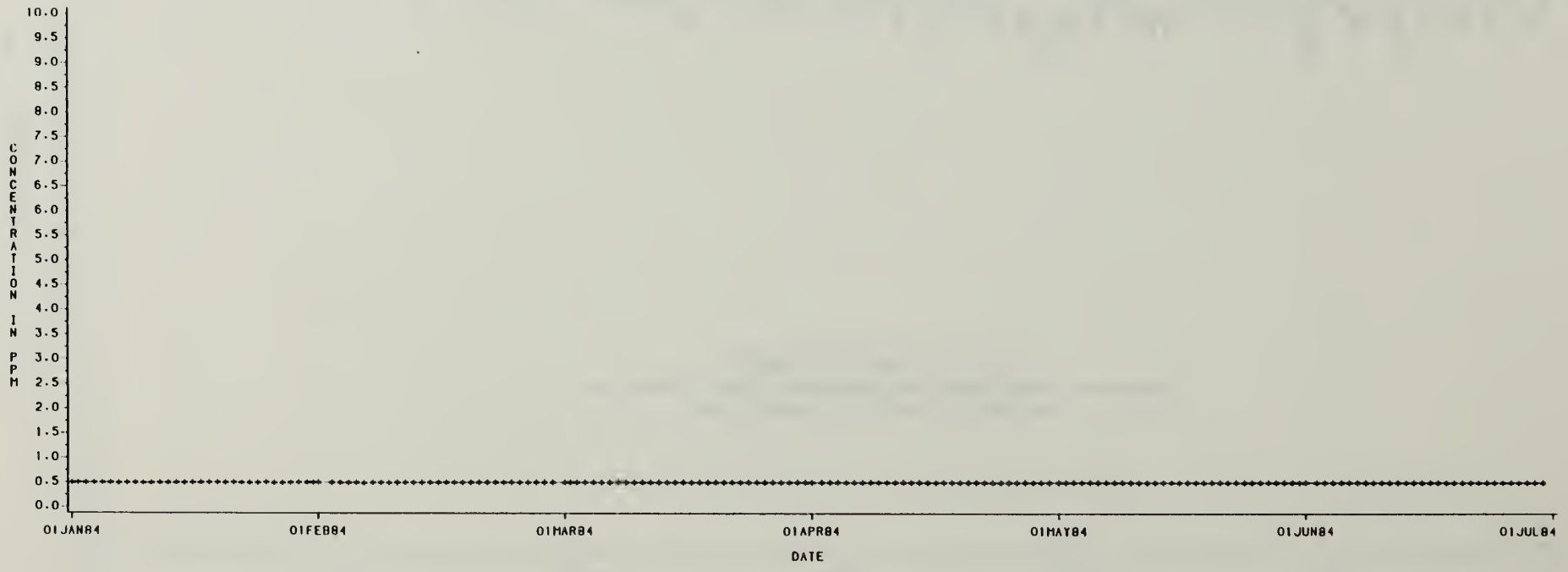

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Meteorological Data

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Plots of Meteorological Data at Site 1

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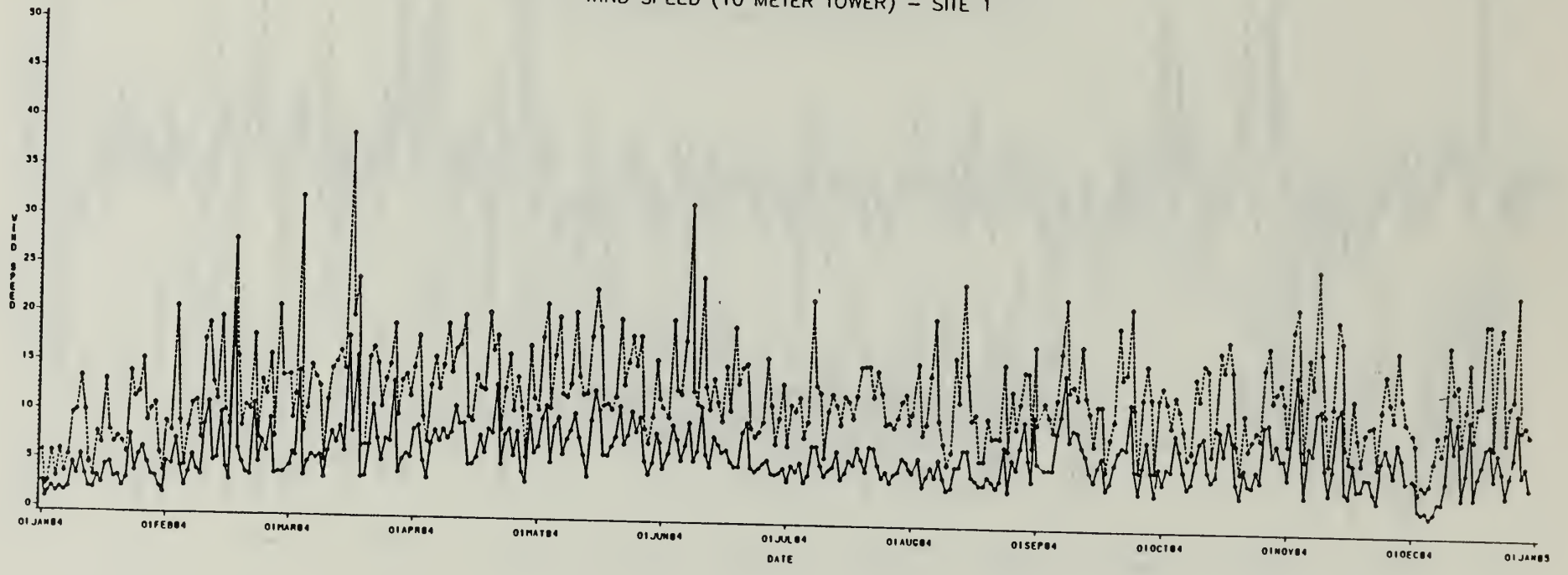
AIR QUALITY AND METEOROLOGY MONITORING PROGRAM
WIND SPEED (10 METER TOWER) – SITE 1



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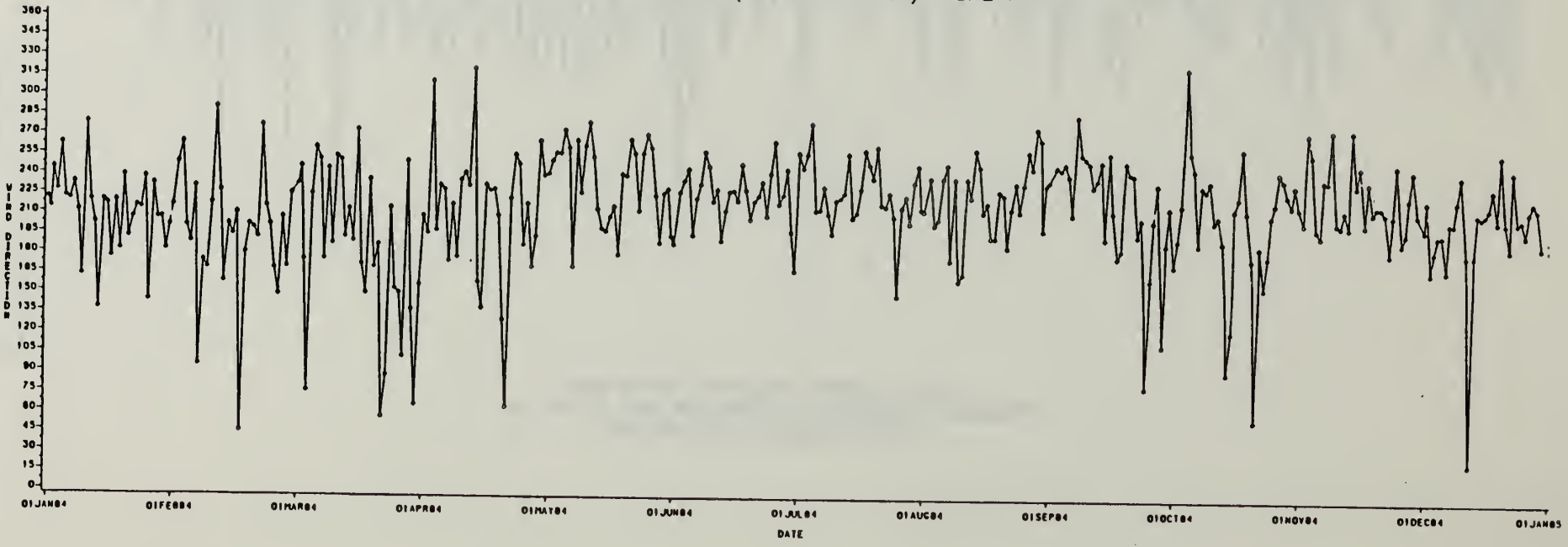

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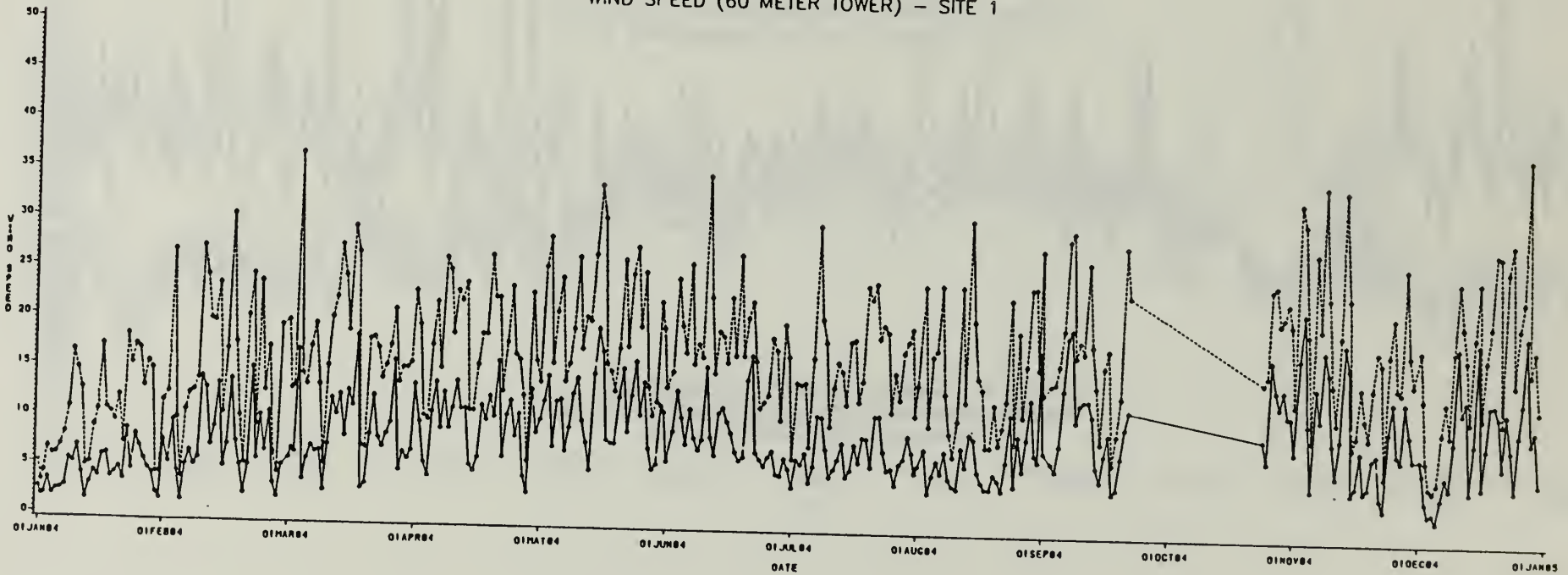

RIO BLANCO OIL SHALE COMPANY
AIR QUALITY AND METEOROLOGY MONITORING PROGRAM
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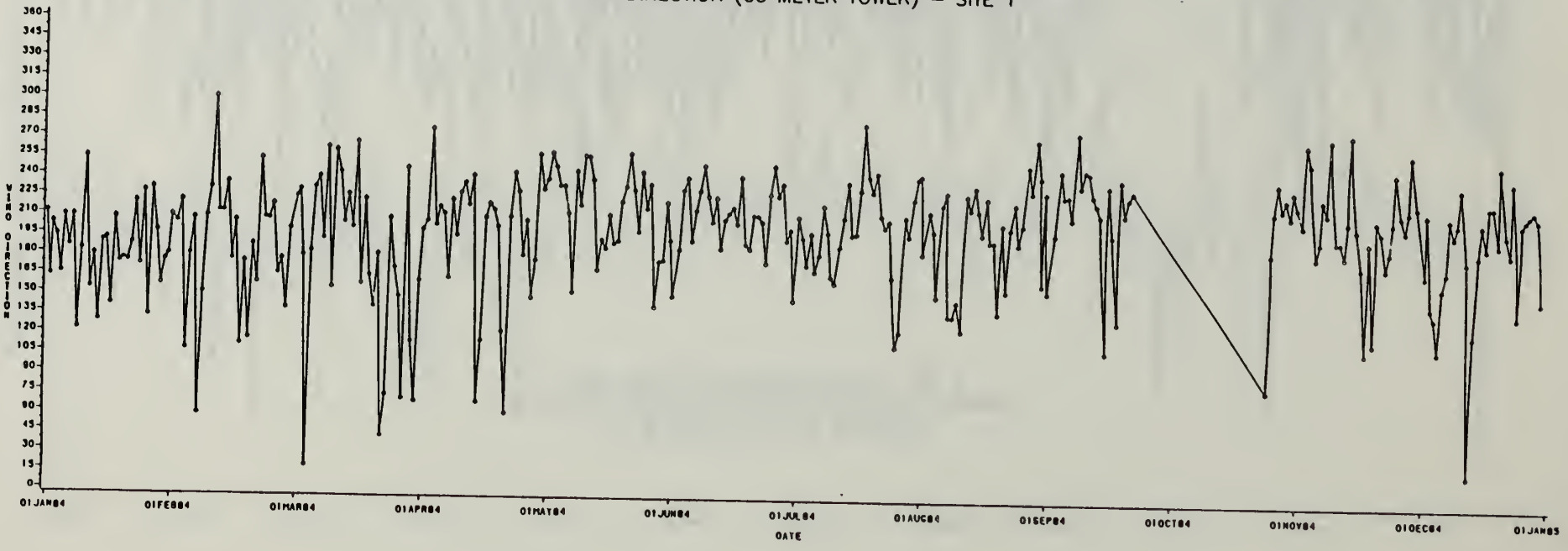

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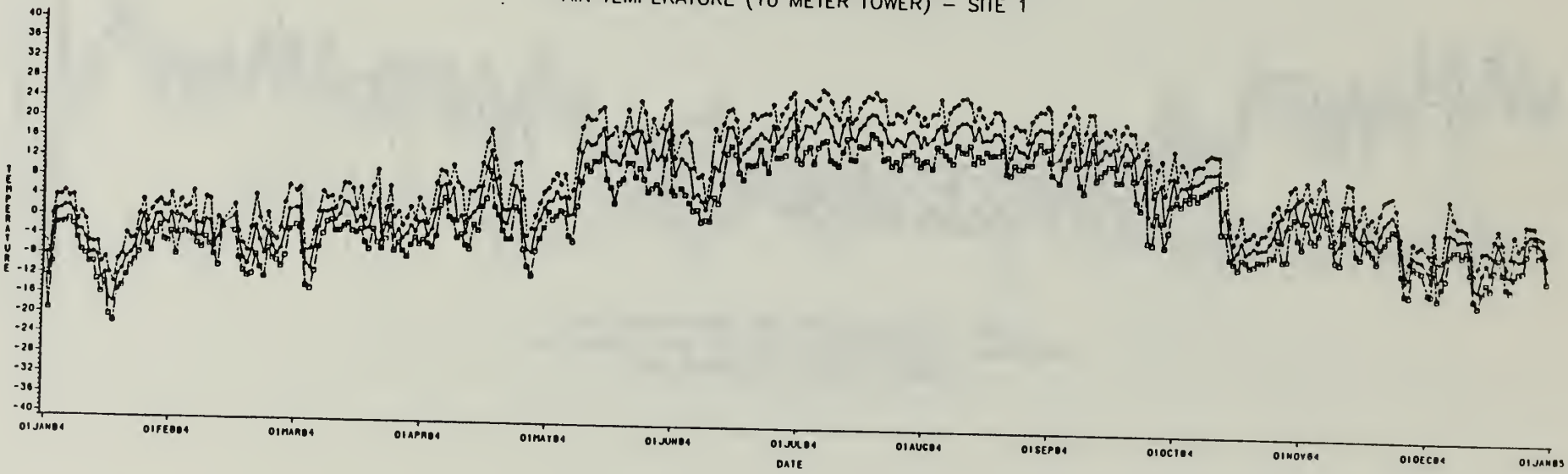

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AIR QUALITY AND METEOROLOGY MONITORING PROGRAM
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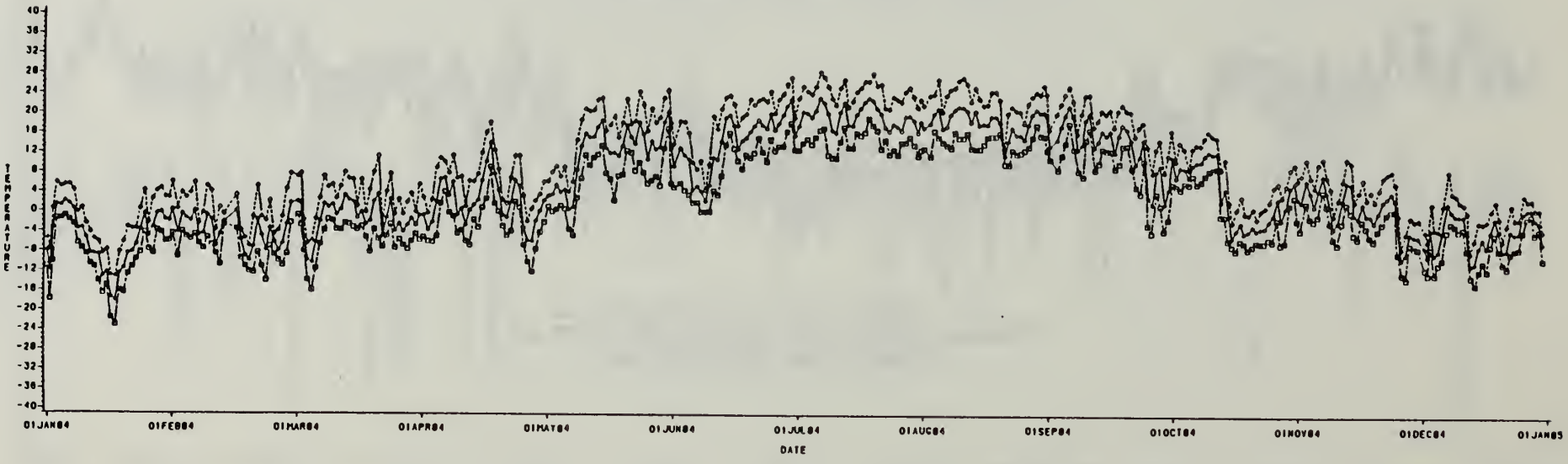

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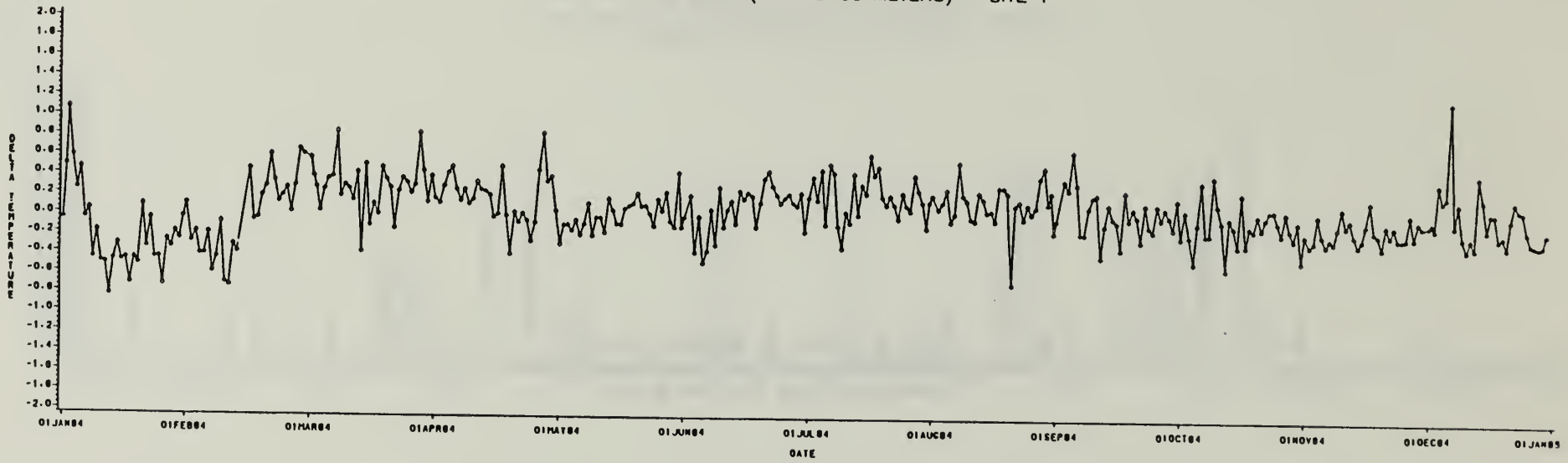

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AIR QUALITY AND METEOROLOGY MONITORING PROGRAM
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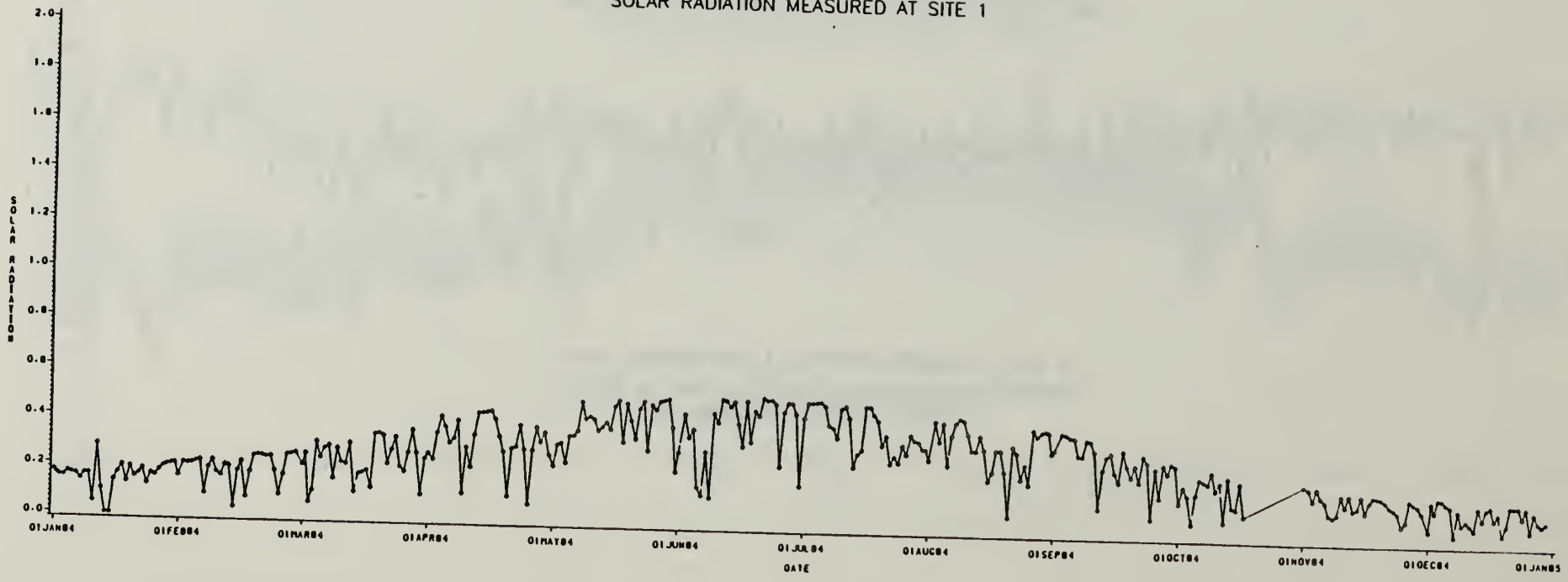

RIO BLANCO OIL SHALE COMPANY
AIR QUALITY AND METEOROLOGY MONITORING PROGRAM
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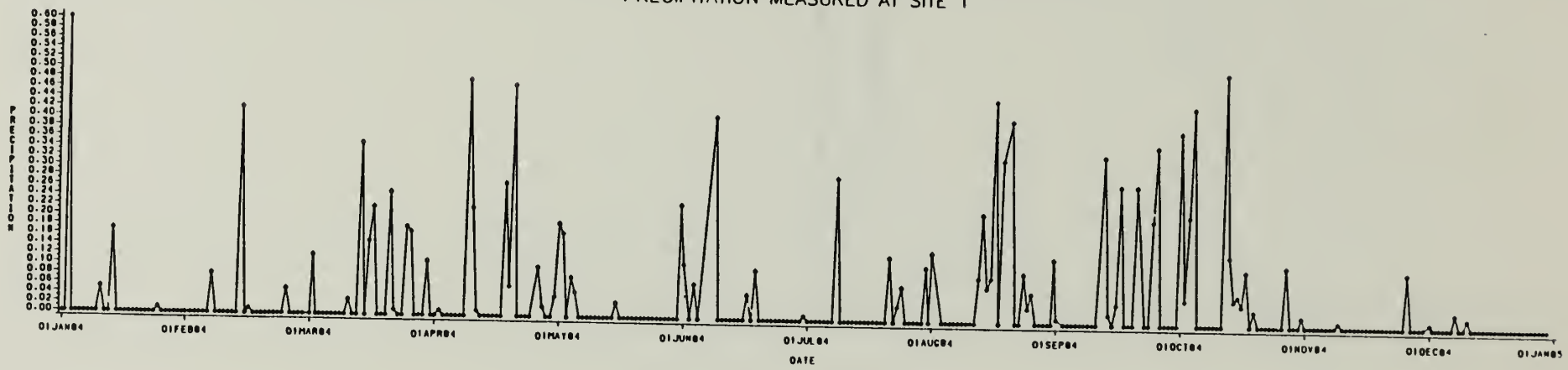

APPENDIX 2-2.2

Precipitation Data

APPENDIX 2-2.2

RBOSC Site 1 Precipitation Data (inches)
1984

Date	Weather Measure Tipping Bucket Gauge	Belfort Weighing Bucket Gauge	Wedge Gauge
1/11	0.05	0.10	0.07
1/13-1/15	0.17	0.32	0.33
1/17	0.00	0.00	0.03
1/25	0.01	0.02	0.03
2/7	0.08	0.10	0.07
2/11	0.00	0.05	0.04
2/14-2/15	0.42	0.40	0.30
2/17-2/18	0.01	0.09	0.04
2/25	0.05	0.07	0.05
3/3	0.12	0.25	0.18
3/11	0.03	0.04	0.02
3/14	0.35	0.42	0.32
3/16-3/17	0.37	0.43	0.28
3/21-3/22	0.26	0.35	0.29
3/25-3/26	0.35	0.22	0.23
3/30	0.11	0.10	0.09
4/2	0.01	0.05	0.06
4/9-4/11	0.69	0.72	0.66
4/18-4/20	0.80	0.91	0.78
4/24-4/27	0.89	1.25	0.95
5/1-5/2	0.43	0.37	0.43
5/4-5/5	0.13	0.15	0.16
5/15	0.03	0.04	0.03
5/27	0.00	0.02	0.01
5/31-6/1	0.34	0.31	0.39
6/3	0.07	0.10	0.09
6/5-6/8	3.41	3.50	3.41
6/16	0.05	0.07	0.05
6/18	0.10	0.07	0.09
6/30	0.01	0.01	0.01

APPENDIX 2-2.2 (Continued)

Date	Weather Measure Tipping Bucket Gauge	Belfort Weighing Bucket Gauge	Wedge Gauge
7/8-7/9	0.70	0.68	0.66
7/13	0.00	0.01	0.01
7/21	0.17	0.16	0.15
7/23-7/24	0.10	0.10	0.10
7/30	0.11	0.11	0.12
8/1-8/2	0.85	0.82	0.80
8/12-8/16	0.92	1.00	0.71
8/18-8/20	1.49	1.60	1.32
8/23-8/25	0.19	0.20	0.17
9/1-9/2	0.14	0.18	0.12
9/11-9/13	1.42	1.45	1.31
9/15-9/16	0.32	0.35	0.30
9/20-9/21	0.89	0.79	0.55
9/24-9/25	0.57	0.48	0.50
10/1-10/4	1.13	0.87	0.85
10/12-10/17	0.91	1.09	1.08
10/19	0.03	0.16	0.16
10/24	0.00	0.00	0.04
10/27	0.12	0.15	0.18
10/31	0.02	0.04	0.04
11/9	0.01	0.20	0.21
11/25-11/26	0.11	0.20	0.24
12/1	0.01	0.04	0.07
12/8-12/9	0.03	0.15	0.14
12/11-12/13	0.02	0.65	0.59
12/20	0.00	0.03	0.09
12/31	0.00	0.10	0.08

APPENDIX 2-2.2 (Continued)

Date	Weather Measure Tipping Bucket Gauge	Belfort Weighing Bucket Gauge	Wedge Gauge
Monthly Totals			
January	0.23	0.44	0.46
February	0.56	0.71	0.50
March	1.59	1.81	1.41
April	2.39	2.93	2.45
May	0.93	0.89	1.02
June	3.64	3.75	3.65
July	1.08	1.06	1.04
August	3.45	3.62	3.00
September	3.34	3.25	2.78
October	2.21	2.31	2.35
November	0.12	0.40	0.45
December	0.06	0.97	0.97
Annual Total	19.60	22.14	20.08

APPENDIX 2-2.3

Snow Depth Data

Appendix 2-2.3
Snow Depth Measurements (Inches)
Site 1
January - December 1984

Date	Snow Depth	Date	Snow Depth	Date	Snow Depth
1/03	19.0	2/01	20.0	3/01	21.5
1/04	18.5	2/02	20.0	3/02	21.0
1/05	18.5	2/03	20.0	3/05	20.0
1/08	18.0	2/06	20.0	3/06	20.0
1/09	18.0	2/07	21.5	3/07	20.0
1/10	18.0	2/08	22.0	3/08	19.5
1/12	19.0	2/09	22.0	3/13	19.0
1/13	18.0	2/10	22.0	3/14	18.5
1/16	23.0	2/15	23.5	3/15	19.0
1/17	23.0	2/19	21.0	3/19	18.0
1/18	22.5	2/23	22.0	3/20	17.5
1/19	22.0	2/24	22.0	3/21	17.0
1/23	21.0	2/27	22.5	3/22	16.5
1/24	21.0	2/28	22.5	3/23	16.5
1/25	20.5	2/29	22.5	3/26	16.5
1/26	21.0			3/27	17.0
1/30	20.0			3/30	16.0
1/31	20.0				

Days are listed only when measurements were taken

Appendix 2-2.3
Snow Depth Measurements (Inches)
Site 1
January - December 1984

Date	Snow Depth	Date	Snow Depth	Date	Snow Depth
4/02	15.5	5/01	patches	no snow cover measured	
4/03	15.5			before 9/25/84	
4/04	14.0				
4/05	12.0				
4/06	10.0	no snow cover measured		9/25	2.5
4/09	10.0	after 5/01/84		9/26	0
4/10	9.0			9/27	0
4/11	7.0			9/29	0
4/12	6.5			9/30	0
4/13	3.0				
4/15	1.5				
4/18	patches				
4/19	patches				
4/25	4.5				
4/26	8.0				
4/27	8.0				
4/30	3.5				

Days are listed only when measurements were taken

Appendix 2-2.3
Snow Depth Measurements (Inches)
Site 1
January - December 1984

Date	Snow Depth	Date	Snow Depth	Date	Snow Depth
10/01	0	11/01	0	12/01	4.5
10/03	0	11/02	0	12/03	4.0
10/04	0	11/03	0	12/04	3.0
10/08	0	11/04	0	12/05	3.0
10/09	0	11/05	0	12/06	3.0
10/10	0	11/06	0	12/07	3.0
10/12	0	11/07	0	12/10	4.5
10/15	Trace	11/08	0	12/12	7.0
10/16	Trace	11/09	4.5	12/13	9.0
10/17	0	11/13	0	12/14	9.5
10/18	1.0	11/14	0	12/17	9.0
10/19	0	11/15	0	12/18	8.0
10/22	2.0	11/16	0	12/19	8.0
10/23	1.0	11/17	0	12/20	9.0
10/24	Trace	11/19	0	12/27	10.5
10/25	Trace	11/20	0		
10/26	0	11/21	0		
10/28	Trace	11/26	3.5		
10/29	0	11/27	3.0		
10/30	0	11/28	3.0		
10/31	0	11/30	2.5		

Days are listed only when measurements were taken

APPENDIX 2-2.4

Barometric Pressure Data

Appendix 2-2.4
Barometric Pressure (mm Hg)
Site 1
January - December 1984

Date	Barometric Pressure	Date	Barometric Pressure	Date	Barometric Pressure
1/03	592.4	2/01	583.4	3/01	584.1
1/04	593.4	2/02	586.4	3/02	584.1
1/05	589.7	2/03	583.7	3/05	589.2
1/06	589.2	2/06	587.3	3/06	584.0
1/09	590.1	2/07	586.1	3/07	585.1
1/10	590.4	2/09	584.1	3/08	586.0
1/11	581.7	2/10	576.0	3/09	584.9
1/12	586.2	2/13	582.7	3/13	584.3
1/13	580.0	2/15	584.2	3/14	580.0
1/16	580.8	2/17	575.0	3/15	583.0
1/17	579.8	2/19	587.2	3/16	583.3
1/18	585.4	2/20	588.7	3/19	587.1
1/19	583.2	2/21	581.5	3/20	584.7
1/20	588.5	2/23	582.9	3/21	579.5
1/22	582.1	2/27	588.7	3/22	580.6
1/23	583.8	2/28	586.7	3/23	583.8
1/24	586.0	2/29	584.8	3/26	574.1
1/25	581.9			3/27	577.4
1/30	586.7			3/28	583.1
1/31	587.1			3/29	581.5
				3/30	577.1

Days are listed only when measurements were taken

Appendix 2-2.4
Barometric Pressure (mm Hg)
Site 1
January - December 1984

Date	Barometric Pressure	Date	Barometric Pressure	Date	Barometric Pressure
4/02	578.9	5/01	581.7	6/02	586.7
4/03	586.6	5/03	580.0	6/03	579.7
4/04	584.7	5/04	581.6	6/06	577.1
4/05	582.3	5/07	590.8	6/07	580.7
4/06	575.9	5/08	583.4	6/10	579.7
4/08	579.9	5/09	586.5	6/12	584.4
4/09	579.9	5/10	581.7	6/13	584.6
4/10	582.2	5/11	585.5	6/14	586.1
4/11	579.4	5/15	582.4	6/16	586.7
4/12	583.4	5/16	584.4	6/18	586.8
4/13	585.9	5/17	587.5	6/20	586.9
4/15	590.1	5/18	587.2	6/21	586.0
4/16	588.0	5/19	588.8	6/22	586.7
4/17	583.3	5/21	581.2	6/24	591.3
4/18	582.4	5/23	587.6	6/25	591.2
4/23	583.1	5/24	582.7	6/26	589.3
4/25	571.3	5/25	583.7	6/27	589.0
4/26	571.6	5/27	588.6	6/28	589.7
4/27	579.8	5/29	590.9	6/30	588.4
4/30	583.9	5/31	586.8		

Days are listed only when measurements were taken

Appendix 2-2.4
Barometric Pressure (mm Hg)
Site 1
January - December 1984

Date	Barometric Pressure	Date	Barometric Pressure	Date	Barometric Pressure
7/02	588.1	8/01	587.2	9/03	590.5
7/03	588.3	8/02	588.7	9/04	589.0
7/04	587.8	8/04	588.4	9/05	589.1
7/05	584.5	8/05	587.8	9/06	582.0
7/06	585.8	8/06	587.4	9/07	582.4
7/09	585.8	8/07	588.7	9/08	587.0
7/10	587.9	8/08	588.5	9/11	580.6
7/11	589.1	8/11	586.7	9/12	585.5
7/12	586.3	8/13	588.2	9/14	588.5
7/13	585.9	8/15	588.2	9/17	590.5
7/14	586.9	8/16	588.7	9/18	592.0
7/16	589.2	8/17	588.6	9/19	589.8
7/17	587.5	8/20	586.6	9/20	582.3
7/18	587.7	8/21	587.2	9/22	579.5
7/20	586.0	8/22	590.1	9/25	588.8
7/22	586.6	8/23	588.8	9/26	575.9
7/23	589.4	8/25	586.9	9/27	578.1
7/24	590.5	8/27	588.8	9/28	588.9
7/26	588.9	8/28	588.4		
7/28	587.8	8/29	590.1		
7/30	588.7	8/30	588.7		
7/31	585.8				

Days are listed only when measurements were taken

Appendix 2-2.4
Barometric Pressure (mm Hg)
Site 1
January - December 1984

Date	Barometric Pressure	Date	Barometric Pressure	Date	Barometric Pressure
10/01	583.7	11/01	587.7	12/01	579.2
10/03	583.5	11/05	586.1	12/03	582.4
10/04	580.5	11/06	580.4	12/04	585.6
10/05	583.7	11/07	580.6	12/05	586.0
10/08	586.9	11/08	577.9	12/07	587.5
10/09	585.5	11/09	582.4	12/10	578.6
10/10	584.6	11/12	581.6	12/11	575.6
10/11	582.2	11/13	579.9	12/12	570.1
10/12	585.3	11/14	582.8	12/14	581.1
10/15	575.3	11/15	586.9	12/17	582.4
10/16	579.1	11/17	581.6	12/18	579.4
10/17	573.1	11/19	585.6	12/19	579.6
10/18	582.2	11/20	586.8	12/20	574.0
10/19	579.1	11/21	586.0	12/21	582.2
10/22	584.2	11/26	580.7	12/27	578.1
10/23	586.4	11/27	586.8	12/28	578.1
10/24	581.3	11/28	579.1	12/29	581.2
10/26	579.4	11/29	580.5		
10/28	581.1				
10/29	582.6				
10/30	582.3				
10/31	579.6				

Days are listed only when measurements were taken

APPENDIX 2-5

Visibility Data

APPENDIX 2-5.1

Hourly Visual Range Data - Spring 1983

Appendix 2-5.1

Hourly Visual Range Data (miles)
Spring 1983, Piceance Creek Basin, Colorado

Date	View	TIME 0830	0930	1030	1130	1300	1400	1500	Mean	Daily Mean
May 4	I	66	75	84	83	88	90	96	83	
	II	58	51	66	69	82	81	81	70	
	III	51	58	74	63	58	43	61	58	
	IV	65	84	90	51	71	42	72	68	70
May 12	I	123	123	122	119	83	--	--	114	
	II	115	92	80	91	75	--	--	91	
	III	89	97	123	95	100	70	89	95	
	IV	76	149	110	80	114	107	93	104	101
May 24	I	89	88	83	84	83	91	98	88	
	II	86	79	79	75	77	85	90	82	
	III	81	72	71	64	60	58	60	67	
	IV	121	100	83	64	87	43	76	82	80
May 28	I	77	82	79	79	76	89	82	81	
	II	75	71	68	69	72	71	66	70	
	III	100	85	92	89	77	68	80	84	
	IV	103	101	83	107	48	40	94	82	79
June 1	I	33	46	46	37	42	54	60	45	
	II	46	38	45	51	46	52	47	46	
	III	41	45	49	42	46	60	41	46	
	IV	50	51	56	49	42	67	73	55	48
June 5	I	--	--	--	108	96	105	118	107	
	II	--	--	--	90	88	89	83	88	
	III	--	--	--	67	84	95	86	83	
	IV	--	--	--	60	77	82	91	77	89
June 9	I	75	75	79	89	67	68	70	75	
	II	75	71	70	85	56	51	80	70	
	III	84	75	74	91	78	--	--	80	
	IV	105	90	102	84	--	--	--	95	80
June 13	I	126	98	116	77	86	69	120	99	
	II	92	91	105	80	65	83	63	82	
	III	80	56	67	71	45	64	119	72	
	IV	92	87	93	70	75	60	106	83	84
June 21	I	89	80	81	81	86	93	93	86	
	II	82	72	72	71	79	82	87	78	
	III	87	78	75	76	78	80	85	80	
	IV	96	86	82	80	77	72	72	81	81
June 25	I	--	--	62	69	67	70	72	68	
	II	--	91	57	51	60	65	62	64	
	III	114	--	53	55	51	53	35	60	
	IV	--	86	90	62	47	--	47	66	64

APPENDIX 2-5.2

Hourly Visual Range Data - Fall 1983

Appendix 2-5.2

Hourly Visual Range Data (miles)
Fall 1983, Piceance Creek Basin, Colorado

Date	View	TIME 0830	0930	1030	1130	1300	1400	1500	Mean	Daily Mean
September 1	I	100	102	97	82	102	101	97	97	
	II	96	88	82	78	111	111	96	94	
	III	109	99	95	95	85	99	99	97	
	IV	139	123	114	108	132	91	77	112	100
September 9	I	86	76	77	74	75	88	82	80	
	II	78	63	63	68	61	73	67	68	
	III	86	62	77	67	88	81	75	76	
	IV	92	91	80	78	84	61	69	79	76
September 17	I	97	78	76	72	80	89	72	81	
	II	86	72	68	65	68	73	60	70	
	III	89	66	73	79	79	77	70	77	
	IV	102	105	83	92	69	74	90	88	79
September 21	I	111	107	106	104	93	110	109	106	
	II	101	90	88	85	85	82	81	87	
	III	113	106	99	98	92	89	94	99	
	IV	134	104	111	95	81	80	75	97	97
September 29	I	107	118	109	122	134	122	145	122	
	II	107	98	96	91	135	101	95	103	
	III	83	93	91	81	77	89	109	89	
	IV	91	139	119	95	85	91	96	102	104
October 3	I	52	--	--	--	--	--	--	--	
	II	34	39	32	44	--	--	56	41	
	III	93	39	30	74	--	45	--	56	
	IV	131	89	67	51	--	--	--	85	61
October 11	I	118	105	81	130	91	113	118	108	
	II	112	103	101	87	85	107	103	100	
	III	118	85	89	110	104	104	97	101	
	IV	78	96	101	91	85	88	100	91	100
October 15	I	78	83	77	82	81	61	85	78	
	II	66	57	80	60	64	69	66	66	
	III	64	65	75	74	91	79	92	77	
	IV	84	98	91	97	102	90	61	89	77
October 19	I	126	113	105	107	96	108	119	111	
	II	119	98	101	98	97	85	100	100	
	III	107	88	87	78	74	68	65	81	
	IV	138	124	115	103	90	92	82	106	99
October 27	I	121	108	109	103	107	112	112	110	
	II	108	94	92	93	83	81	91	92	
	III	102	88	99	103	103	95	99	98	
	IV	141	120	101	93	101	92	84	105	101

APPENDIX 2-5.3

Hourly Visual Range Data - Spring 1984

Appendix 2-5.3

Hourly Visual Range Data (miles)
Spring 1984, Piceance Creek Basin, Colorado

Date	View	TIME 0830	0930	1030	1130	1300	1400	1500	Mean	Daily Mean
May 10	I	74	79	84	82	72	72	76	77	
	II	75	72	80	75	73	72	70	74	
	III	87	86	80	62	73	75	68	76	
	IV	119	117	109	108	108	98	83	106	83
May 14	I	111	80	69	67	67	74	64	76	
	II	108	86	72	63	60	58	58	72	
	III	117	83	68	68	61	59	66	75	
	IV	136	92	80	85	77	70	79	88	78
May 18	I	58	67	70	--	72	67	76	68	
	II	60	56	62	--	71	64	66	63	
	III	92	97	73	--	68	72	73	79	
	IV	135	153	116	--	98	105	86	115	81
May 22	I	80	71	66	73	69	83	78	74	
	II	73	71	68	65	69	70	72	70	
	III	76	71	71	66	67	70	68	70	
	IV	126	93	89	94	89	86	80	94	77
May 26	I	102	112	97	100	103	103	87	100	
	II	103	102	89	93	95	90	91	95	
	III	87	85	76	92	94	105	103	91	
	IV	133	124	124	106	102	82	80	107	98
May 30	I	100	92	90	74	68	72	68	81	
	II	120	85	72	67	65	53	70	76	
	III	84	98	110	69	65	52	68	78	
	IV	112	104	104	102	80	55	81	91	81
June 11	I	116	107	102	101	94	87	84	99	
	II	108	95	97	89	75	76	72	87	
	III	100	91	93	82	70	66	65	81	
	IV	140	117	128	91	85	79	90	104	93
June 15	I	81	70	58	72	77	74	81	73	
	II	82	75	58	66	73	67	76	71	
	III	63	82	76	75	69	66	87	74	
	IV	107	106	87	104	86	100	97	98	79
June 19	I	83	81	79	80	76	79	76	79	
	II	80	77	73	72	80	73	75	76	
	III	88	85	74	75	73	67	69	76	
	IV	112	104	100	101	81	104	110	102	83
June 27	I	77	74	72	73	77	70	69	73	
	II	74	76	67	66	68	65	61	68	
	III	79	74	67	65	63	63	63	68	
	IV	100	97	94	94	93	87	87	93	75

APPENDIX 2-5.4

Hourly Visual Range Data - Fall 1984

Appendix 2-5.4

Hourly Visual Range Data (miles)
Fall 1984, Piceance Creek Basin, Colorado

Date	View	TIME 0830	0930	1030	1130	1300	1400	1500	Mean	Daily Mean
September 7	I	137	171	161	140	123	136	141	144	
	II	121	133	122	144	108	103	116	121	
	III	71	59	84	123	91	114	95	91	
	IV	66	73	64	72	106	110	89	83	110
September 15	I	72	88	80	77	81	77	93	81	
	II	66	87	75	68	66	68	63	70	
	III	68	81	66	66	64	68	86	71	
	IV	78	113	93	95	85	77	--	90	78
September 19	I	109	103	73	83	--	--	--	92	
	II	82	85	74	66	--	--	--	77	
	III	108	91	78	76	--	--	--	88	
	IV	140	129	115	107	--	--	--	123	95
September 23	I	--	67	65	69	65	65	65	66	
	II	--	57	54	55	63	52	54	56	
	III	--	61	66	62	55	81	62	65	
	IV	--	74	72	72	70	61	59	68	64
September 27	I	66	84	98	62	74	91	85	80	
	II	58	76	74	77	87	73	72	74	
	III	56	76	75	88	70	79	66	73	
	IV	56	93	103	105	93	71	74	85	78
October 5	I	57	54	63	56	57	61	60	58	
	II	49	43	43	51	54	51	55	49	
	III	60	50	51	41	54	54	61	53	
	IV	69	66	60	68	77	52	71	66	57
October 9	I	84	76	86	81	87	95	98	86	
	II	74	68	78	72	74	80	70	74	
	III	83	93	79	80	85	70	73	81	
	IV	84	96	106	86	92	82	76	89	82
October 13	I	--	78	81	83	96	110	101	91	
	II	--	--	61	45	67	83	84	68	
	III	67	44	52	66	63	63	92	64	
	IV	138	117	69	84	61	72	83	89	78
October 25	I	37	36	37	43	59	60	68	48	
	II	32	29	32	44	47	49	54	41	
	III	32	33	39	41	45	42	43	39	
	IV	48	50	57	49	46	41	40	47	44

APPENDIX 5-O
Hydrology Studies

APPENDIX 5-1.1

1984 Water Chemistry Data Listing

- o Alluvial Aquifers
- o Developmental Activities Monitoring
- o Upper Aquifer

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=ALLUVIAL AQUIFER STATION=GS-S19 ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
1	10SEP84	7.38	1800	1400	433	120	100	2.22	169	495	-1	-0.5	.	662	.	0.2	0.67

OBS	OP BO S4	B	SIO2	F E	DOC	AS SEV	MOL	H G	AB LA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
1	.	0.1	.	-0.05	11	. . .	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=ALLUVIAL AQUIFER STATION=GS-S22 ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
2	06SEP84	8.21	2150	1890	466	83	190	2.26	240	548	-1	24	.	918	.	0.4	-0.05

OBS	OP BO S4	B	SIO2	F E	DOC	AS SEV	MOL	H G	AB LA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
2	.	0.3	.	.	20	. . .	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	0.01	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=ALLUVIAL AQUIFER STATION=GS-S23D ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
3	10SEP84	7.44	3000	2300	500	177	185	1.27	229	567	-1	0.8	.	1260	.	0.2	0.05

OBS	OP BOS	B	SIO2	F	DO	AS	SEV	MOL	H	AG	AL	AE	BI	BR	BD	CR	CU	CA	EB	GP	GB	L I	MN	NI	ST	RI	ZI	ZN
3	.	0.08	.	0.05	12	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=ALLUVIAL AQUIFER STATION=GS-S24 ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
4	06SEP84	8.18	1620	1320	577	110	102	2.02	180	681	-1	14	.	551	.	0.3	0.14

OBS	OP BOS	B	SIO2	F	DO	AS	SEV	MOL	H	AG	AL	AE	BI	BR	BD	CR	CU	CA	EB	GP	GB	L I	MN	NI	ST	RI	ZI	ZN
4	.	0.18	.	.	11	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.01	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=ALLUVIAL AQUIFER STATION=GS-S27S ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
5	26JAN84	8.24	1580	1090	475	97	85	2.31	140	559	-1	11.3	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
5	442	.	0.3	0.26	0.06	0.27	21	-0.05	4	-0.01	-0.01	-0.1	-0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
5	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

-- REPORT YEAR=1984 TYPE=DEVELOPMENT ACTIVITIES MONITORING STATION=YBOXFL --

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
6	17JAN84	8.26	1620	1130	508	88	81	1.34	180	601	-1	-0.5	.
7	03APR84	8.22	1600	1120	508	90	82	1.48	180	599	-1	11.4	.
8	25JUL84	8.00	1480	1002	388	94	75	1.44	130	459	-1	16.7	.
9	24OCT84	8.23	1540	1110	474	95	81	1.37	164	563	-1	13.5	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
6	432	.	0.7	-0.05	0.02	0.27	25	-0.05	2	-0.01	-0.01	-0.1	-0.1
7	416	.	0.6	-0.05	.	0.25	.	.	4	.	.	.	-0.1
8	427	.	0.3	-0.05	.	0.26	.	.	10	.	.	.	-0.1
9	448	.	0.5	0.80	.	0.23	.	.	13	.	.	.	-0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
6	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.
8	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.
9	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

-- REPORT YEAR=1984 TYPE=DEVELOPMENT ACTIVITIES MONITORING STATION=YCOFL ---

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
10	17JAN84	8.34	1850	1320	569	93	88	1.52	210	660	5	13.5	.
11	03APR84	8.30	1900	1340	557	98	96	1.78	240	654	-1	18.9	.
12	25JUL84	8.00	1750	1337	369	117	94	1.75	176	431	-1	22.1	.
13	24OCT84	8.31	1860	1390	484	111	99	1.54	206	570	-1	23.5	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
10	508	.	0.4	0.06	0.03	0.34	21	-0.05	3	-0.01	-0.01	-0.1	0.1
11	539	.	0.4	-0.05	.	0.37	.	.	8	.	.	.	-0.1
12	641	.	0.2	-0.05	.	0.26	.	.	12	.	.	.	-0.1
13	572	.	0.4	0.65	.	0.26	.	.	19	.	.	.	-0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
10	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.
12	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.
13	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.

-- REPORT YEAR=1984 TYPE=DEVELOPMENT ACTIVITIES MONITORING STATION=YCOINJ --

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
14	17JAN84	8.32	1535	1090	494	53	87	0.46	180	577	4	8.3	.
15	15MAR84	.	.	.	.	.	.	.	.	.	.	.	.
16	03APR84	8.29	1500	1050	507	55	87	2.25	190	597	-1	13.8	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
14	401	.	1.3	-0.05	-0.01	0.23	30	-0.05	-2	-0.01	-0.01	-0.1	-0.1
15	.	.	.	.	.	.	.	.	.	.	.	.	.
16	389	.	1.2	-0.05	.	0.27	.	.	5	.	.	.	0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
14	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
15	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.11	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

- REPORT YEAR=1984 TYPE=DEVELOPMENT ACTIVITIES MONITORING STATION=YERPOND --

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3
17	12JAN84	9.3	6250	4810	929	20	81	430	1100	736	178	158	.	2230	.
18	01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.

OBS	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL	HG	AL	BA	BE
17	9.4	13.1	0.02	2.1	23	0.13	100	-0.01	-0.01	-0.1	0.6	-0.3	-0.1	-0.1	-0.01
18	.	.	.	.	.	.	81	.	.	.	.	-0.3	.	.	.

OBS	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
17	-0.01	-0.1	.	-0.01	-0.01	-0.5	-0.1	-0.01	1	0.05	-0.05	3.2	-0.5	0.03	-10
18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

REPORT YEAR=1984 TYPE=DEVELOPMENT ACTIVITIES MONITORING STATION=YJEFFPOND -

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
19	26JAN84	8.34	1580	1050	495	54	85	0.46	180	579	-1	6.6	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
19	410	.	1	0.11	-0.01	0.25	30	-0.05	2	-0.01	-0.01	-0.1	-0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
19	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

-- REPORT YEAR=1984 TYPE=DEVELOPMENT ACTIVITIES MONITORING STATION=YMET3 ---

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
20	17JAN84	8.25	1660	1180	517	87	82	3.30	180	613	-1	8.6	.
21	03APR84	8.24	1670	1160	515	91	86	1.56	190	611	-1	12.8	.
22	25JUL84	8.01	1500	1112	380	102	82	1.54	146	448	-1	19.4	.
23	24OCT84	8.30	1580	1240	487	103	90	1.36	186	566	-1	17.6	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
20	443	.	0.7	0.17	0.05	0.27	24	-0.05	4	-0.01	-0.01	-0.1	0.1
21	439	.	0.6	-0.05	.	0.27	.	.	7	.	.	.	-0.1
22	498	.	0.3	-0.05	.	0.24	.	.	10	.	.	.	-0.1
23	568	.	0.2	0.46	.	0.23	.	.	11	.	.	.	0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
20	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
21	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.
22	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.
23	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.

-- REPORT YEAR=1984 TYPE=DEVELOPMENT ACTIVITIES MONITORING STATION=YSEOFL --

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
24	17JAN84	8.26	2100	1580	574	120	110	1.85	220	671	-1	0.6	.
25	03APR84	8.15	1960	1530	592	130	120	2.05	220	693	-1	22.5	.
26	25JUL84	8.03	1775	1327	441	114	97	1.94	180	515	-1	22.5	.
27	24OCT84	8.23	2300	1740	495	144	130	2.04	233	578	-1	26.0	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
24	658	.	1.1	-0.05	-0.01	0.33	24	-0.05	5	-0.01	-0.01	-0.1	-0.1
25	625	.	0.4	-0.05	.	0.28	.	.	5	.	.	.	0.1
26	621	.	0.3	-0.05	.	0.29	.	.	12	.	.	.	-0.1
27	834	.	0.3	0.68	.	0.29	.	.	17	.	.	.	0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
24	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.05	.	.	.	.	.	.
26	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.03	.	.	.	.	.	.
27	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=AM-3U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	NO3	F	NH3
40	11APR84	8.28	1135	680	363	28	39	0.49	160	430	-1	8.5	.	222	.	0.9	0.26
41	110CT84	8.05	1090	676	348	30	37	0.54	159	413	.	7.6	.	210	.	0.8	0.29

OBS	PO4	B	SIO2	DOC	MO	H	AB	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
40	.	0.16	.	12	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	0.07	.	.	.	.	.	.
41	.	0.13	.	9	.	.	-0.3	.	.	.	.	.	.	.	.	.	.	0.07	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=CE-702U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	NO3	F	NH3
42	12JAN84	8.43	1410	1050	492	43	85	0.53	190	554	12	7.1	.	390	.	1.2	0.10
43	12APR84	8.30	1560	1000	487	48	84	0.44	190	567	-1	9.7	.	393	.	1.1	0.12
44	110CT84	8.34	1495	966	475	31	70	0.47	209	548	5	8.9	.	361	.	1.3	0.14

OBS	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
42	-0.01	0.24	23	-0.05	9	-0.01	-0.01	-0.1	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
43	.	0.25	.	.	4	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.1	.	.	.	.	.	.
44	.	0.18	.	.	10	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.1	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=CE-705AU ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
45	11JAN84	8.09	1240	930	442	88	76	2.90	110	524	-1	8.2	.
46	11APR84	8.22	1220	770	393	46	63	0.41	120	458	-1	12.4	.
47	11OCT84	7.76	1320	886	350	74	70	0.46	121	414	-1	34.0	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
45	325	.	0.4	0.07	-0.01	0.26	35	2.26	6	-0.01	-0.01	-0.1	-0.1
46	256	.	0.3	0.07	.	0.15	.	.	8	.	.	.	-0.1
47	341	.	0.1	0.16	.	0.05	.	.	8	.	.	.	-0.1

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
45	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
46	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.06	.	.	.	.	.	.
47	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.05	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=CE-708U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
48	12APR84	8.21	1210	770	405	56	56	0.49	130	476	-1	10.8	.	242	.	0.5	0.28
49	11OCT84	8.30	1005	645	338	26	39	0.53	137	378	-1	9.9	.	202	.	0.4	0.29

OBS	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
48	.	0.18	.	.	12	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.06	.	.	.	.	.	.
49	.	0.17	.	.	6	.	.	.	0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.04	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=CE-709U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2
50	11JAN84	8.03	1650	1240	448	140	88	0.68	130	531	-1	15.7	.
51	11APR84	7.86	1675	1160	449	130	89	0.65	130	519	-1	18.7	.
52	11OCT84	7.65	1950	1640	476	189	115	0.74	132	552	-1	17.3	.

OBS	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL
50	518	.	0.3	0.05	-0.01	0.24	23	0.65	6	-0.01	-0.01	-0.1	0.2
51	536	.	0.3	0.06	.	0.24	.	.	5	.	.	.	-0.1
52	779	.	-0.1	-0.05	.	0.25	.	.	13	.	.	.	0.2

OBS	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
50	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
51	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.05	.	.	.	.	.	.
52	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.05	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-D1U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F
53	11APR84	7.90	1360	940	383	75	77	0.33	110	446	-1	14.3	.	387	.	0.3
54	16OCT84	7.58	2000	1870	435	252	133	0.39	136	504	-1	13.1	.	1020	.	0.2

OBS	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
53	-0.05	.	0.20	.	.	6	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.07	.	.	.	.	.	.
54	0.35	.	0.24	.	.	3	.	.	.	0.3	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.10	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-D3U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL
55	12JAN84	8.27	1995	1530	458	87	130	0.51	180	535	-1	8.1
56	16APR84	8.00	2180	1520	465	89	150	0.67	200	518	-1	11.7
57	16OCT84	7.34	1860	1690	269	221	124	0.69	100	303	-1	9.3

OBS	NO2	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V
55	.	758	.	0.8	-0.05	-0.01	0.22	11	0.07	4	-0.01	-0.01	-0.1
56	.	834	.	1.3	0.10	.	0.24	.	.	42	.	.	.
57	.	979	.	0.3	0.45	.	0.22	.	.	3	.	.	.

OBS	MOL	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
55	0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
56	0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.12	.	.	.	.	.	.
57	0.3	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.09	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-D5U ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
58	12APR84	8.08	1755	1180	585	95	100	0.63	160	695	-1	9.2	.	444	.	0.6	0.12
59	16OCT84	7.50	2100	1730	721	179	155	1.57	172	843	-1	16.2	.	728	.	0.4	0.14

OBS	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
58	.	0.24	.	.	-2	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
59	.	0.27	.	.	2	.	.	.	0.2	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-MDP2CU ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL
60	12JAN84	8.22	1550	1150	517	83	92	0.59	150	606	-1	5.3
61	16APR84	8.25	1730	1140	558	98	99	0.41	150	622	-1	12.7
62	16OCT84	7.60	2230	2060	470	232	169	0.57	156	544	-1	13.7

OBS	NO2	SO4	SO3	F	NH3	PO4	B	SIO2	FE	DOC	AS	SE	V
60	.	449	.	0.6	0.06	-0.01	0.26	39	0.59	5	0.03	-0.01	-0.1
61	.	390	.	0.6	0.09	.	0.25	.	.	5	.	.	.
62	.	1090	.	0.5	0.29	.	0.24	.	.	2	.	.	.

OBS	MOL	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
60	0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
61	0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.10	.	.	.	.	.	.
62	0.6	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.15	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-M10U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
63	12APR84	.	.	910	408	55	85	0.46	130	469	-1	9.5	.	393	.	1.2	0.13
64	16OCT84	8.07	1140	778	318	32	74	0.73	129	367	-1	9.7	.	342	.	0.8	0.23

OBS	PO4	B	SIO2	FE	DOC	AS	SE	V	MOL	HG	AL	BA	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
63	.	0.27	.	.	15	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.07	.	.	.	.	.	.
64	.	0.20	.	.	3	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.06	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-M12U ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
65	12APR84	8.21	1575	1030	451	61	77	0.79	180	519	-1	5.9	.	435	.	0.4	0.96
66	16OCT84	7.84	1410	1040	406	59	75	0.72	185	473	-1	5.8	.	454	.	0.4	0.94

OBS	PO4	B	SIO2	FEC	DOS	AS	SEV	MOL	H	ALK	BAE	BIR	BCD	RUA	CGE	GPB	LI	MN	NIR	STI	ZNR	ZR
65	.	0.21	.	.	12	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	0.09	.	.	.	.	.	.
66	.	0.08	.	.	-2	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	0.10	.	.	.	.	.	.

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-M3U ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F	NH3
67	12APR84	9.57	1390	840	603	3.9	42	1.49	260	193	255	14.0	.	171	.	1.5	0.90
68	16OCT84	9.72	1250	875	561	3.9	40	1.46	270	371	144	12.2	.	185	.	1.5	1.08

OBS	PO4	B	SIO2	FEC	DOS	AS	SEV	MOL	H	ALK	BAE	BIR	BCD	RUA	CGE	GPB	LI	MN	NIR	STI	ZNR	ZR
67	.	0.24	.	.	8	.	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	0.11	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

68 . 0.17 . . 2 . . . 0.1 -0.3 . . . . . 0.11 . . . . . .

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-M9U ----------

OBS	DATE	PH	SPC_COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F
69	12APR84	7.93	2970	2590	776	290	190	2.14	250	907	-1	12.9	.	1280	.	0.2
70	11OCT84	7.76	3100	2610	734	252	196	2.00	257	871	-1	11.8	.	1190	.	-0.1

OBS	NH3	PO4	B	SIO2	FE	DOC	AS	SEV	MOL	HG	ALA	BEI	BIR	BCD	CRU	CAE	GEB	PLI	MN	NIR	STI	ZN	ZR
69	0.25	.	0.25	.	.	-2	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	0.12	.	.	.	.	.
70	0.16	.	0.14	.	.	4	.	.	0.2	-0.3	.	.	.	.	.	.	.	.	0.14	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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BASIC AND TRACE WATER CHEMISTRY DATA - TRACT C-A

---------- REPORT YEAR=1984 TYPE=UPPER AQUIFER STATION=GS-15U ----------

OBS	DATE	PH	SPC COND	TDS	ALK	CA	MG	K	NA	HCO3	CO3	CL	NO2	SO4	SO3	F
71	11APR84	8.07	2500	1790	515	94	150	0.81	250	607	-1	11.3	.	886	.	0.4
72	11OCT84	8.09	2200	1620	453	61	144	0.86	255	541	-1	9.8	.	872	.	-0.1

OBS	NH3	PO4	B	SIO2	F	DOC	AS	SEV	MOL	HG	ALK	AB	BE	BI	BR	CD	CR	CU	GA	GE	PB	LI	MN	NI	SR	TI	ZN	ZR
71	0.21	.	0.29	.	.	3	.	.	-0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.
72	0.10	.	0.23	.	.	7	.	.	0.1	-0.3	.	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.

APPENDIX 5-1.2

1984 Field Measurements Data

- o Developmental Activities Monitoring
- o Springs and Seeps

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
DEVELOPMENT ACTIVITIES MONITORING DATA

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YBOXFL ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
1	04JAN84	9.2	7.5	1550	570.0	.	.
2	12JAN84	9.2	7.6	1500	570.0	.	.
3	17JAN84	7.2	7.6	1550	570.0	.	.
4	26JAN84	9.8	7.6	1500	552.0	.	.
5	01FEB84	10.1	7.6	1450	552.0	.	.
6	09FEB84	9.7	7.6	1450	552.0	.	.
7	15FEB84	9.6	7.6	1450	570.0	.	.
8	20FEB84	7.5	7.6	1500	552.0	.	.
9	29FEB84	9.9	7.6	1500	534.1	.	.
10	07MAR84	9.8	7.5	1500	552.0	.	.
11	14MAR84	10.4	7.6	1500	552.0	.	.
12	20MAR84	11.5	7.7	1450	570.0	.	.
13	28MAR84	11.5	7.6	1500	587.9	.	.
14	03APR84	12.5	7.5	1500	587.9	.	.
15	11APR84	9.1	7.6	1550	570.0	.	.
16	19APR84	7.0	7.9	1350	.	.	.
17	24APR84	9.6	7.9	1350	.	.	.
18	02MAY84	12.8	7.9	1400	.	.	.
19	09MAY84	14.7	8.0	1450	.	.	.
20	16MAY84	9.2	8.1	1200	.	.	.
21	24MAY84	10.5	8.0	1300	.	.	.
22	31MAY84	9.5	7.8	1300	.	.	.
23	07JUN84	14.3	8.0	1300	.	.	.
24	13JUN84	15.7	7.9	1250	.	.	.
25	20JUN84	13.1	8.0	1250	.	.	.
26	03JUL84	12.4	7.8	1300	.	.	.
27	11JUL84	18.7	7.8	1350	.	.	.
28	18JUL84	15.7	7.6	1350	.	.	.
29	25JUL84	20.4	7.8	1300	.	.	.
30	01AUG84	14.4	7.4	1450	825.8	.	.
31	08AUG84	13.9	7.3	1500	480.2	.	.
32	15AUG84	14.5	7.4	1550	345.6	.	.
33	22AUG84	14.4	7.4	1600	.	.	.
34	29AUG84	12.3	7.6	1600	.	.	.
35	06SEP84	13.4	7.7	1550	.	.	.
36	20SEP84	12.3	7.7	1550	309.7	.	.
37	25SEP84	12.4	7.6	1600	.	.	.
38	030CT84	12.2	7.7	1600	291.7	.	.
39	110CT84	12.7	7.7	1600	291.7	.	.
40	160CT84	11.0	7.8	1600	291.7	.	.
41	240CT84	9.5	7.6	1600	291.7	.	.
42	310CT84	9.7	7.7	1700	291.7	.	.
43	06NOV84	10.6	7.6	1500	291.7	.	.
44	14NOV84	9.2	7.5	1550	309.7	.	.
45	20NOV84	9.3	7.5	1550	.	.	.
46	29NOV84	8.6	7.6	1550	318.6	.	.
47	06DEC84	8.9	7.3	1575	341.1	.	.

RIO BLANCO OIL SHALE COMPANY
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---------- REPORT YEAR=1984 TYPE=DAMS STATION=YBOXFL ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
48	12DEC84	8.7	7.5	1550	318.6	.	.
49	19DEC84	8.8	7.5	1575	291.7	.	.
50	27DEC84	9.4	7.6	1550	273.8	.	.

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YCOFL ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
51	04JAN84	3.8	7.7	1700	157.1	.	.
52	12JAN84	3.8	7.8	1700	143.6	.	.
53	17JAN84	1.0	7.6	1700	.	.	.
54	26JAN84	5.1	7.8	1650	.	.	.
55	01FEB84	5.0	7.8	1600	.	.	.
56	09FEB84	3.8	7.8	1550	.	.	.
57	15FEB84	4.1	7.8	1600	.	.	.
58	20FEB84	0.2	7.8	1650	.	.	.
59	29FEB84	4.6	7.7	1550	.	.	.
60	07MAR84	4.5	7.7	1600	.	.	.
61	14MAR84	7.4	7.7	1650	107.7	.	.
62	20MAR84	9.2	7.8	1600	125.7	.	.
63	28MAR84	10.1	7.8	1750	107.7	.	.
64	03APR84	13.0	7.6	1800	89.8	.	.
65	11APR84	8.0	7.8	1650	197.5	.	.
66	19APR84	7.8	7.9	1550	888.6	.	.
67	24APR84	11.6	7.9	1500	.	.	.
68	02MAY84	17.5	7.8	1550	.	.	.
69	09MAY84	19.6	7.9	1650	.	.	.
70	16MAY84	12.8	8.0	1550	.	.	.
71	24MAY84	12.0	7.9	1600	.	.	.
72	31MAY84	12.0	7.7	1500	.	.	.
73	07JUN84	18.4	8.0	1500	.	.	.
74	13JUN84	21.8	7.8	1500	.	.	.
75	20JUN84	17.4	7.9	1550	.	.	.
76	03JUL84	15.7	7.8	1700	.	.	.
77	11JUL84	22.4	7.8	1700	.	.	.
78	18JUL84	18.5	7.6	1700	.	.	.
79	25JUL84	22.3	7.8	1650	.	.	.
80	01AUG84	16.9	7.5	1800	763.0	.	.
81	08AUG84	16.3	7.5	1900	731.5	.	.
82	15AUG84	16.8	7.6	1900	628.3	.	.
83	22AUG84	17.9	7.6	1900	.	.	.
84	29AUG84	14.5	7.8	1900	.	.	.
85	06SEP84	17.0	7.8	1950	.	.	.
86	20SEP84	15.3	7.7	1900	219.9	.	.
87	25SEP84	13.2	7.7	1750	.	.	.
88	03OCT84	13.2	7.7	1950	157.1	.	.

RIO BLANCO OIL SHALE COMPANY
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DEVELOPMENT ACTIVITIES MONITORING DATA

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YCOFL ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
89	11OCT84	15.1	7.8	2000	143.6	.	.
90	16OCT84	9.5	7.9	2050	134.6	.	.
91	24OCT84	7.7	7.8	2000	166.1	.	.
92	31OCT84	8.4	7.9	2050	134.6	.	.
93	06NOV84	9.5	7.8	1900	116.7	.	.
94	14NOV84	6.3	7.8	1850	116.7	.	.
95	20NOV84	5.8	7.7	1800	98.7	.	.
96	29NOV84	4.3	7.7	1800	98.7	.	.
97	06DEC84	4.0	7.8	1800	134.6	.	.
98	12DEC84	5.4	7.7	1800	76.3	.	.
99	19DEC84	4.5	7.7	1850	67.3	.	.
100	27DEC84	4.0	7.8	1900	67.3	.	.

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YCOINJ ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
101	01JAN84	12.7	7.5	1410	.	.	.
102	02JAN84	12.5	7.5	1380	.	.	.
103	03JAN84	11.7	7.8	1450	.	.	.
104	04JAN84	11.9	7.9	1450	.	.	.
105	05JAN84	12.9	7.8	1450	.	.	.
106	06JAN84	12.2	.	1590	.	.	.
107	07JAN84	12.5	7.5	1600	.	.	.
108	08JAN84	12.5	7.5	1600	.	.	.
109	09JAN84	13.2	7.8	1500	.	.	.
110	10JAN84	13.2	7.9	1500	.	.	.
111	11JAN84	12.5	7.7	1500	.	.	.
112	12JAN84	11.8	7.8	1450	.	.	.
113	13JAN84	12.6	8.0	1450	.	.	.
114	14JAN84	12.5	7.4	1600	.	.	.
115	15JAN84	12.2	7.4	1400	.	.	.
116	16JAN84	11.3	7.8	1450	.	.	.
117	17JAN84	10.9	7.8	1500	.	.	.
118	18JAN84	10.6	7.7	1600	.	.	.
119	19JAN84	11.0	7.3	1600	.	.	.
120	20JAN84	10.5	7.5	1600	.	.	.
121	21JAN84	10.0	7.4	1600	.	.	.
122	22JAN84	11.0	7.1	1600	.	.	.
123	23JAN84	11.4	7.4	1600	.	.	.
124	24JAN84	11.5	7.4	1600	.	.	.
125	25JAN84	11.8	7.7	1575	.	.	.
126	26JAN84	12.4	7.8	1425	.	.	.
127	27JAN84	12.2	8.0	1450	.	.	.
128	28JAN84	12.3	7.4	1500	.	.	.
129	29JAN84	11.8	7.7	1575	.	.	.

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DEVELOPMENT ACTIVITIES MONITORING DATA

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YCOINJ ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
130	30JAN84	13.3	7.9	1400	.	.	.
131	31JAN84	12.4	8.0	1425	.	.	.
132	01FEB84	12.1	8.0	1450	.	.	.
133	02FEB84	12.3	8.0	1400	.	.	.
134	03FEB84	12.4	8.0	1400	.	.	.
135	04FEB84	10.5	7.7	1680	.	.	.
136	05FEB84	10.4	7.7	1694	.	.	.
137	06FEB84	13.1	8.0	1400	.	.	.
138	07FEB84	12.9	8.0	1400	.	.	.
139	09FEB84	13.4	7.9	1450	.	.	.
140	10FEB84	12.8	8.0	1450	.	.	.
141	11FEB84	12.3	7.6	1600	.	.	.
142	13FEB84	13.6	8.0	1400	.	.	.
143	14FEB84	13.7	7.9	1450	.	.	.
144	15FEB84	13.5	7.9	1450	.	.	.
145	16FEB84	13.5	8.2	1425	.	.	.
146	17FEB84	12.7	7.8	1400	.	.	.
147	18FEB84	10.5	7.8	1690	.	.	.
148	19FEB84	11.8	7.9	1600	.	.	.
149	20FEB84	11.7	8.0	1450	.	.	.
150	21FEB84	12.0	7.8	1575	.	.	.
151	22FEB84	12.3	7.8	1590	.	.	.
152	23FEB84	11.2	7.8	1650	.	.	.
153	24FEB84	11.0	7.9	1640	.	.	.
154	25FEB84	11.3	7.8	1625	.	.	.
155	26FEB84	11.1	7.8	1625	.	.	.
156	27FEB84	13.3	7.8	1450	.	.	.
157	28FEB84	14.1	8.0	1450	.	.	.
158	29FEB84	13.6	8.0	1450	.	.	.
159	01MAR84	14.3	7.9	1450	.	.	.
160	02MAR84	14.8	7.9	1400	.	.	.
161	05MAR84	12.2	7.8	1570	.	.	.
162	06MAR84	12.7	7.9	1450	.	.	.
163	07MAR84	13.1	8.0	1425	.	.	.
164	08MAR84	14.9	7.9	1450	.	.	.
165	09MAR84	14.3	7.9	1450	.	.	.
166	10MAR84	12.4	7.7	1570	.	.	.
167	12MAR84	13.7	7.8	1450	.	.	.
168	13MAR84	14.0	8.0	1450	.	.	.
169	14MAR84	14.1	8.1	1450	.	.	.
170	15MAR84	14.2	7.7	1450	.	.	.
171	16MAR84	13.8	7.8	1400	.	.	.
172	17MAR84	12.9	7.8	1630	.	.	.
173	18MAR84	12.7	7.7	1628	.	.	.
174	19MAR84	14.7	7.9	1450	.	.	.
175	20MAR84	14.4	8.0	1450	.	.	.
176	21MAR84	13.3	7.8	1596	.	.	.

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---------- REPORT YEAR=1984 TYPE=DAMS STATION=YCOINJ ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
177	22MAR84	13.3	7.7	1583	.	.	.
178	23MAR84	13.0	7.9	1553	.	.	.
179	24MAR84	12.9	7.7	1580	.	.	.
180	25MAR84	13.2	7.6	1550	.	.	.
181	26MAR84	14.3	7.9	1450	.	.	.
182	27MAR84	13.8	7.9	1450	.	.	.
183	28MAR84	14.9	8.0	1400	.	.	.
184	29MAR84	15.1	8.0	1450	.	.	.
185	30MAR84	13.3	7.7	1560	.	.	.
186	31MAR84	13.3	7.6	1580	.	.	.
187	01APR84	13.5	7.9	1596	.	.	.
188	02APR84	13.7	7.8	1450	.	.	.
189	03APR84	13.7	8.0	1450	.	.	.
190	04APR84	15.1	8.0	1500	.	.	.
191	05APR84	15.4	8.0	1450	.	.	.
192	06APR84	15.5	8.0	1450	.	.	.
193	07APR84	17.0	.	1400	.	.	.
194	09APR84	17.0	.	1450	.	.	.
195	10APR84	15.0	7.7	1500	.	.	.
196	11APR84	14.2	8.0	1500	.	.	.
197	12APR84	14.7	8.0	1500	.	.	.
198	13APR84	14.3	8.0	1500	.	.	.
199	14APR84	13.9	7.5	1525	.	.	.
200	15APR84	13.7	7.6	1575	.	.	.
201	16APR84	16.6	7.8	1500	.	.	.
202	17APR84	17.2	7.8	1450	.	.	.
203	18APR84	16.9	7.9	1500	.	.	.
204	19APR84	16.4	7.8	1450	.	.	.
205	20APR84	14.4	7.6	1600	.	.	.
206	21APR84	13.7	7.8	1400	.	.	.
207	22APR84	13.9	7.5	1450	.	.	.
208	23APR84	16.0	7.9	1500	.	.	.
209	24APR84	14.8	8.1	1500	.	.	.
210	25APR84	13.7	7.9	1525	.	.	.
211	26APR84	13.0	7.8	1440	.	.	.
212	27APR84	15.3	7.8	1450	.	.	.
213	28APR84	17.2	7.6	1475	.	.	.
214	29APR84	17.2	7.8	1480	.	.	.
215	30APR84	14.7	8.0	1500	.	.	.
216	01MAY84	14.5	7.9	1500	.	.	.
217	02MAY84	16.1	7.7	1450	.	.	.
218	03MAY84	15.0	7.8	1500	.	.	.
219	04MAY84	14.9	8.0	1500	.	.	.
220	05MAY84	14.2	7.9	1400	.	.	.
221	06MAY84	14.5	7.8	1700	.	.	.
222	07MAY84	16.0	7.8	1500	.	.	.
223	08MAY84	16.2	7.9	1450	.	.	.

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---------- REPORT YEAR=1984 TYPE=DAMS STATION=YCOINJ ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
224	09MAY84	15.5	8.0	1500	.	.	.
225	10MAY84	15.7	7.9	1546	.	.	.
226	11MAY84	16.5	7.9	1500	.	.	.
227	12MAY84	15.7	7.6	1400	.	.	.
228	13MAY84	15.7	7.7	1400	.	.	.
229	14MAY84	16.5	7.9	1477	.	.	.
230	15MAY84	16.9	7.8	1500	.	.	.
231	16MAY84	16.2	8.0	1550	.	.	.
232	17MAY84	15.7	7.9	1500	.	.	.
233	18MAY84	15.8	8.0	1562	.	.	.
234	19MAY84	16.0	8.0	1550	.	.	.
235	20MAY84	15.8	7.9	1576	.	.	.
236	21MAY84	16.6	8.0	1550	.	.	.
237	22MAY84	16.0	7.8	1522	.	.	.
238	23MAY84	10.0	7.9	1500	.	.	.
239	27MAY84	16.5	.	1500	.	.	.
240	28MAY84	16.0	.	1500	.	.	.
241	29MAY84	16.4	7.8	1550	.	.	.
242	30MAY84	16.0	7.9	1600	.	.	.
243	31MAY84	16.0	7.8	1550	.	.	.
244	01JUN84	16.4	7.8	1600	.	.	.
245	02JUN84	16.0	7.9	1600	.	.	.
246	03JUN84	16.0	7.8	1550	.	.	.
247	04JUN84	15.8	7.7	1600	.	.	.
248	05JUN84	15.6	7.7	1600	.	.	.
249	06JUN84	15.0	7.7	1550	.	.	.
250	07JUN84	15.0	7.9	1550	.	.	.
251	08JUN84	14.3	7.7	1500	.	.	.
252	09JUN84	14.3	7.4	1550	.	.	.
253	10JUN84	14.2	7.6	1600	.	.	.
254	11JUN84	14.3	7.6	1725	.	.	.
255	15JUN84	15.0	7.7	1750	.	.	.
256	17JUN84	17.1	7.6	1700	.	.	.
257	18JUN84	16.8	7.6	1650	.	.	.
258	19JUN84	16.8	7.7	1865	.	.	.
259	20JUN84	17.2	7.4	1750	.	.	.
260	21JUN84	17.0	7.7	1930	.	.	.

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---------- REPORT YEAR=1984 TYPE=DAMS STATION=YFLDIS ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
261	01JAN84	4.5	7.7	1750	.	.	.
262	02JAN84	4.7	7.7	1700	.	.	.
263	03JAN84	3.7	7.8	1800	.	.	.
264	04JAN84	3.7	7.9	1800	.	.	.
265	05JAN84	4.1	7.8	1800	.	.	.
266	06JAN84	4.5	7.7	1950	.	.	.
267	07JAN84	4.2	7.6	2000	.	.	.
268	08JAN84	4.3	7.6	1950	.	.	.
269	09JAN84	4.8	.	1800	.	.	.
270	10JAN84	5.0	7.8	1800	.	.	.
271	11JAN84	4.9	7.8	1850	.	.	.
272	12JAN84	4.7	7.7	1800	.	.	.
273	13JAN84	4.8	7.9	1800	.	.	.
274	14JAN84	4.5	7.7	2000	.	.	.
275	15JAN84	5.5	7.5	1800	.	.	.
276	16JAN84	4.7	7.7	1800	.	.	.
277	17JAN84	4.5	7.8	1800	.	.	.
278	18JAN84	4.4	7.7	1980	.	.	.
279	19JAN84	3.8	7.4	1990	.	.	.
280	20JAN84	3.6	7.6	1950	.	.	.
281	21JAN84	3.6	7.7	1990	.	.	.
282	22JAN84	3.4	7.5	1975	.	.	.
283	23JAN84	3.5	7.6	1950	.	.	.
284	24JAN84	3.8	7.6	2000	.	.	.
285	25JAN84	4.1	7.8	1950	.	.	.
286	26JAN84	4.7	7.7	1700	.	.	.
287	27JAN84	4.6	7.6	1700	.	.	.
288	28JAN84	4.0	7.7	1800	.	.	.
289	29JAN84	4.0	7.8	1900	.	.	.
290	30JAN84	5.2	8.0	1700	.	.	.
291	31JAN84	5.0	7.9	1700	.	.	.
292	01FEB84	4.9	7.9	1700	.	.	.
293	02FEB84	5.2	7.8	1700	.	.	.
294	03FEB84	5.3	7.8	1700	.	.	.
295	04FEB84	5.0	7.9	2080	.	.	.
296	05FEB84	4.8	7.9	2065	.	.	.
297	06FEB84	5.6	7.8	1700	.	.	.
298	07FEB84	5.6	7.8	1750	.	.	.
299	09FEB84	5.8	7.9	1700	.	.	.
300	10FEB84	6.2	8.0	1700	.	.	.
301	11FEB84	6.0	7.8	1950	.	.	.
302	13FEB84	6.5	7.8	1700	.	.	.
303	14FEB84	6.4	7.8	1700	.	.	.
304	15FEB84	6.5	7.8	1750	.	.	.
305	16FEB84	7.0	7.9	1700	.	.	.
306	17FEB84	6.2	8.0	1700	.	.	.
307	18FEB84	5.0	7.7	2040	.	.	.

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---------- REPORT YEAR=1984 TYPE=DAMS STATION=YFLDIS ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
308	19FEB84	6.0	7.7	1900	.	.	.
309	20FEB84	5.8	7.9	1750	.	.	.
310	21FEB84	8.0	7.7	1900	.	.	.
311	22FEB84	6.0	7.8	1950	.	.	.
312	23FEB84	6.7	8.0	1990	.	.	.
313	24FEB84	7.1	8.0	1970	.	.	.
314	25FEB84	7.0	8.0	1970	.	.	.
315	26FEB84	6.5	8.0	1950	.	.	.
316	27FEB84	5.9	7.8	1750	.	.	.
317	28FEB84	5.9	8.0	1750	.	.	.
318	29FEB84	5.9	7.9	1750	.	.	.

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YJEFFPOND ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
319	04JAN84	14.2	7.6	1500	.	.	.
320	12JAN84	14.5	7.8	1500	.	.	.
321	17JAN84	14.1	7.8	1550	.	.	.
322	26JAN84	14.6	7.7	1450	.	.	.
323	01FEB84	14.7	7.6	1400	.	.	.
324	09FEB84	14.7	7.6	1400	.	.	.
325	15FEB84	15.0	7.7	1450	.	.	.
326	20FEB84	14.7	7.6	1450	.	.	.
327	28FEB84	15.3	7.6	1450	.	.	.

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YMET3 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
328	04JAN84	8.4	7.7	1550	727.1	.	.
329	12JAN84	8.5	7.7	1550	713.6	.	.
330	17JAN84	6.4	7.6	1550	.	.	.
331	26JAN84	9.2	7.7	1550	.	.	.
332	01FEB84	9.5	7.7	1450	.	.	.
333	09FEB84	8.9	7.7	1450	.	.	.
334	15FEB84	8.9	7.7	1450	.	.	.
335	20FEB84	6.7	7.7	1500	.	.	.
336	29FEB84	9.0	7.6	1500	.	.	.
337	07MAR84	9.3	7.6	1500	.	.	.
338	14MAR84	9.7	7.7	1550	659.7	.	.
339	20MAR84	11.3	7.8	1500	695.7	.	.
340	28MAR84	11.4	7.7	1550	695.6	.	.
341	03APR84	12.8	7.6	1550	677.7	.	.
342	11APR84	9.2	7.7	1600	767.5	.	.

RIO BLANCO OIL SHALE COMPANY
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---------- REPORT YEAR=1984 TYPE=DAMS STATION=YMET3 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
343	19APR84	7.2	7.8	1350	.	.	.
344	24APR84	10.4	7.9	1400	.	.	.
345	02MAY84	13.8	7.9	1450	.	.	.
346	09MAY84	15.9	8.0	1500	.	.	.
347	16MAY84	11.2	8.1	1350	.	.	.
348	24MAY84	11.5	7.8	1450	.	.	.
349	31MAY84	11.0	7.8	1500	.	.	.
350	07JUN84	16.1	7.9	1400	.	.	.
351	13JUN84	17.8	7.7	1350	.	.	.
352	20JUN84	14.4	7.9	1375	.	.	.
353	03JUL84	13.8	7.6	1450	.	.	.
354	11JUL84	20.5	7.7	1550	.	.	.
355	18JUL84	17.3	7.7	1550	.	.	.
356	25JUL84	21.0	7.8	1400	.	.	.
357	01AUG84	15.7	7.5	1600	1588.8	.	.
358	08AUG84	15.0	7.3	1650	1211.7	.	.
359	15AUG84	16.1	7.4	1800	973.9	.	.
360	22AUG84	16.2	7.5	1800	.	.	.
361	29AUG84	13.7	7.7	1750	.	.	.
362	06SEP84	14.9	7.8	1650	.	.	.
363	20SEP84	13.2	7.7	1650	529.6	.	.
364	25SEP84	13.0	7.7	1650	.	.	.
365	030CT84	12.5	7.7	1750	448.8	.	.
366	110CT84	13.7	7.8	1700	435.3	.	.
367	160CT84	10.7	7.9	1700	426.3	.	.
368	240CT84	9.2	7.6	1800	457.8	.	.
369	310CT84	9.3	7.8	1800	426.3	.	.
370	06NOV84	10.3	7.7	1650	408.4	.	.
371	14NOV84	8.2	7.6	1650	426.4	.	.
372	20NOV84	8.5	7.6	1650	.	.	.
373	29NOV84	7.4	7.6	1600	417.3	.	.
374	06DEC84	7.1	7.6	1600	475.7	.	.
375	12DEC84	8.0	7.6	1650	394.9	.	.
376	19DEC84	7.7	7.6	1600	359.0	.	.
377	27DEC84	7.3	7.7	1800	341.1	.	.

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YPZR-1 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
378	06APR84	8.7	6.8	1100	.	.	.
379	15MAY84	15.8	7.1	2500	.	.	.
380	13JUN84	18.2	7.3	1100	.	.	.
381	24JUL84	17.7	6.9	1550	.	.	.
382	22AUG84	19.1	6.6	1825	.	.	.

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---------- REPORT YEAR=1984 TYPE=DAMS STATION=YPZR-2 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
383	06APR84	7.8	6.6	1600	.	.	.
384	15MAY84	14.5	6.9	1600	.	.	.
385	13JUN84	18.1	6.8	1600	.	.	.
386	22AUG84	17.6	6.9	2150	.	.	.

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YPZR-4 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
387	15MAY84	11.2	6.9	2200	.	.	.
388	13JUN84	14.3	6.8	1500	.	.	.
389	22AUG84	15.9	6.7	1850	.	.	.

---------- REPORT YEAR=1984 TYPE=DAMS STATION=YSEOFL ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
390	17JAN84	6.0	7.5	2000	664.2	.	.
391	15FEB84	7.5	7.7	1950	587.9	.	.
392	14MAR84	8.4	7.6	2050	605.9	.	.
393	03APR84	9.5	7.6	2050	623.8	.	.
394	09MAY84	15.7	7.8	1600	.	.	.
395	13JUN84	19.0	7.8	1425	.	.	.
396	25JUL84	17.0	7.8	1750	.	.	.
397	22AUG84	12.8	7.3	2100	.	.	.
398	20SEP84	11.8	7.7	2100	911.1	.	.
399	24OCT84	8.5	7.8	2400	570.0	.	.
400	14NOV84	8.1	7.6	2100	480.2	.	.
401	12DEC84	7.7	7.6	2200	552.0	.	.

---------- REPORT YEAR=1984 TYPE=SEEP STATION=SPG-MILL ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
402	27JAN84	10.5	7.4	1600	3	.	.
403	30APR84	10.8	7.4	1750	2	.	.
404	18JUL84	12.0	7.2	1700	1	.	.
405	24OCT84	10.8	7.5	1800	1	.	.

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---------- REPORT YEAR=1984 TYPE=SEEP STATION=SPG-14 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
406	30APR84	9.1	7.4	2700	1.0	.	.
407	18JUL84	18.6	7.2	2300	0.5	.	.

---------- REPORT YEAR=1984 TYPE=SEEP STATION=SPG-20 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
408	25JUL84	12.7	8.1	1900	70	.	.
409	240CT84	5.4	8.1	1600	95	.	.

---------- REPORT YEAR=1984 TYPE=SEEP STATION=SPG-3A ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
410	18JUL84	8.5	7.4	1700	12	.	.
411	230CT84	8.0	7.8	2050	15	.	.

---------- REPORT YEAR=1984 TYPE=SEEP STATION=SPG-4 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
412	18JUL84	12.8	7.5	1950	3	.	.
413	230CT84	8.7	7.7	1900	2	.	.

---------- REPORT YEAR=1984 TYPE=SEEP STATION=SPG-5 ----------

OBS	DATE	TEMP	PH	COND	FLOW	TSS	PRESSURE
414	27JAN84	8.0	7.9	1500	100	.	.
415	30APR84	8.0	7.7	1800	80	.	.
416	24JUL84	16.8	7.7	1700	135	.	.
417	160CT84	5.5	7.7	2000	250	.	.

APPENDIX 5-1.3

1984 Field Measurements Data

- o Alluvial Aquifers
- o Lower Aquifer
- o Upper Aquifer

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-- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S22 --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
1	30JAN84	.	53.1	.	.	.
2	23APR84	.	52.5	8.6	7.5	2300
3	25JUL84	.	51.0	9.1	7.5	2300
4	23OCT84	.	50.4	7.4	7.7	2500

-- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S24 --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
5	27JAN84	.	10.8	.	.	.
6	23APR84	.	10.1	8.9	7.4	1800
7	24JUL84	.	10.0	9.9	7.3	1700
8	23OCT84	.	8.7	8.1	7.7	1900

- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S27A --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
9	18JUL84	.	14.0	10.2	7.1	3500
10	23OCT84	.	15.8	.	.	.

- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S27S --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
11	04JAN84	.	18.4	.	.	.
12	12JAN84	.	18.6	.	.	.
13	17JAN84	.	18.8	.	.	.
14	26JAN84	.	19.0	8.7	7.5	1400
15	01FEB84	.	19.0	.	.	.
16	09FEB84	.	18.1	.	.	.
17	15FEB84	.	19.2	.	.	.
18	20FEB84	.	19.3	.	.	.
19	28FEB84	.	19.4	.	.	.
20	23APR84	.	18.6	9.9	7.5	1400
21	18JUL84	.	6.7	10.8	7.2	1450
22	23OCT84	.	15.3	9.4	7.0	2250

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- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S28AD -

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
23	30JAN84	.	5.2	.	.	.
24	23APR84	.	4.6	7.1	7.4	2600
25	25JUL84	.	4.9	11.1	7.4	2400
26	23OCT84	.	5.6	8.6	7.6	2600

- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S28D --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
27	30JAN84	.	9.2	.	.	.
28	23APR84	.	7.6	8.1	7.5	3100
29	25JUL84	.	7.7	10.4	7.5	2900
30	23OCT84	.	8.3	10.4	7.4	3150

- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S28S --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
31	30JAN84	.	8.7	.	.	.
32	23APR84	.	7.0	8.0	7.5	2050
33	25JUL84	.	7.4	10.7	7.3	2250
34	23OCT84	.	7.9	10.6	7.3	2800

- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S29D --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
35	23APR84	.	14.6	8.4	7.4	5500
36	25JUL84	.	8.5	8.1	7.4	5100
37	23OCT84	.	7.8	9.3	7.5	5900

- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S29S --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
38	23APR84	.	14.8	8.3	7.3	4600
39	25JUL84	.	11.0	8.1	7.3	4100
40	23OCT84	.	8.0	8.5	7.4	4900

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-- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S30 --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
41	25JUL84	.	13.2	9.0	7.5	3050
42	23OCT84	.	13.1	7.8	7.7	3300

- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S30A --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
43	25JUL84	.	13.0	9.5	7.5	3200
44	23OCT84	.	12.9	7.9	7.7	3300

-- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S7 ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
45	04JAN84	.	22.3	.	.	.
46	11JAN84	.	23.3	.	.	.
47	17JAN84	.	23.5	.	.	.
48	26JAN84	.	19.7	.	.	.
49	01FEB84	.	20.5	.	.	.
50	09FEB84	.	21.8	.	.	.
51	15FEB84	.	22.4	.	.	.
52	20FEB84	.	22.5	.	.	.
53	29FEB84	.	22.7	.	.	.
54	23APR84	.	17.7	7.6	7.2	1450
55	18JUL84	.	19.9	11.4	7.0	1700
56	23OCT84	.	23.2	8.7	7.3	1900

-- REPORT YEAR=1984 STATION TYPE=ALLUVIAL AQUIFER STATION LOCATION=GS-S8 ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
57	04JAN84	.	37.5	.	.	.
58	11JAN84	.	37.7	.	.	.
59	17JAN84	.	37.9	.	.	.
60	26JAN84	.	38.0	.	.	.
61	01FEB84	.	38.1	.	.	.
62	09FEB84	.	38.2	.	.	.
63	15FEB84	.	38.3	.	.	.
64	20FEB84	.	38.4	.	.	.
65	28FEB84	.	38.3	.	.	.
66	23APR84	.	29.6	8.7	7.5	1300
67	18JUL84	.	26.8	10.2	7.2	1250
68	24OCT84	.	32.6	8.1	7.6	1400

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--- REPORT YEAR=1984 STATION TYPE=LOWER AQUIFER STATION LOCATION=CE-709L ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
69	01FEB84	.	157.2	13.4	8	1850
70	19APR84	.	156.7	.	.	.

--- REPORT YEAR=1984 STATION TYPE=LOWER AQUIFER STATION LOCATION=GS-15L ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
71	10OCT84	.	359	.	.	.

--- REPORT YEAR=1984 STATION TYPE=LOWER AQUIFER STATION LOCATION=GS-17L ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
72	24APR84	.	366.1	.	.	.
73	08OCT84	.	362.1	.	.	.

--- REPORT YEAR=1984 STATION TYPE=LOWER AQUIFER STATION LOCATION=GS-19L ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
74	24APR84	.	131.0	.	.	.
75	08OCT84	.	128.1	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=AM-2AU ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
76	27APR84	.	379.2	.	.	.
77	10OCT84	.	373.6	.	.	.

---- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=AM-3U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
78	11JAN84	6895.2	30.3	10.3	8.2	1000
79	11APR84	6895.5	30.0	11.1	7.9	1050
80	11OCT84	6900.0	25.5	10.5	8.0	1176

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--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=CE-701U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
81	24APR84	6894.9	103.8	.	.	.
82	08OCT84	6901.2	97.5	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=CE-702U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
83	04JAN84	6629.4	28.2	.	.	.
84	12JAN84	6629.6	28.0	13.3	7.9	1450
85	17JAN84	6631.5	26.1	.	.	.
86	26JAN84	6627.1	30.5	.	.	.
87	01FEB84	6627.1	30.5	.	.	.
88	09FEB84	6627.5	30.1	.	.	.
89	15FEB84	6627.8	29.8	.	.	.
90	20FEB84	6628.3	29.3	.	.	.
91	28FEB84	6628.5	29.1	.	.	.
92	07MAR84	6629.3	28.3	.	.	.
93	14MAR84	6629.3	28.3	.	.	.
94	20MAR84	6629.3	28.3	.	.	.
95	28MAR84	6629.7	27.9	.	.	.
96	04APR84	6629.8	27.8	.	.	.
97	12APR84	6630.4	27.2	12.9	7.7	1500
98	19APR84	6631.0	26.6	.	.	.
99	24APR84	6631.5	26.1	.	.	.
100	02MAY84	6633.0	24.6	.	.	.
101	11OCT84	6608.7	48.9	14.3	8.1	1482

-- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=CE-705AU ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
102	04JAN84	6536.3	206.5	.	.	.
103	11JAN84	6535.8	207.0	9.3	7.3	1250
104	17JAN84	6535.3	207.5	.	.	.
105	26JAN84	6532.2	210.6	.	.	.
106	01FEB84	6531.4	211.4	.	.	.
107	09FEB84	6530.7	212.1	.	.	.
108	15FEB84	6529.0	213.8	.	.	.
109	20FEB84	6528.4	214.4	.	.	.
110	28FEB84	6527.8	215.0	.	.	.
111	07MAR84	6526.3	216.5	.	.	.
112	14MAR84	6525.5	217.3	.	.	.
113	20MAR84	6524.7	218.1	.	.	.
114	28MAR84	6523.9	218.9	.	.	.
115	04APR84	6523.4	219.4	.	.	.

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-- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=CE-705AU ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
116	11APR84	6523.6	219.2	9.7	7.7	1150
117	19APR84	6523.7	219.1	.	.	.
118	24APR84	6526.0	216.8	.	.	.
119	02MAY84	6529.9	212.9	.	.	.
120	11OCT84	6701.1	41.7	9.3	7.7	1577

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=CE-707U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
121	08OCT84	7003.81	179.7	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=CE-708U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
122	12APR84	6866.46	53.0	10.3	7.6	1100
123	11OCT84	6865.76	53.7	10.3	8.0	1087

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=CE-709U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
124	04JAN84	6549.95	225.7	.	.	.
125	11JAN84	6550.05	225.6	10.1	7.2	1550
126	19JAN84	6549.95	225.7	.	.	.
127	26JAN84	6549.65	226.0	.	.	.
128	01FEB84	6549.45	226.2	.	.	.
129	09FEB84	6548.95	226.7	.	.	.
130	15FEB84	6548.55	227.1	.	.	.
131	20FEB84	6548.35	227.3	.	.	.
132	29FEB84	6548.65	227.0	.	.	.
133	07MAR84	6548.95	226.7	.	.	.
134	14MAR84	6549.35	226.3	.	.	.
135	20MAR84	6549.75	225.9	.	.	.
136	28MAR84	6550.25	225.4	.	.	.
137	04APR84	6550.35	225.3	.	.	.
138	11APR84	6550.45	225.2	9.9	7.1	1600
139	19APR84	6551.35	224.3	.	.	.
140	24APR84	6552.05	223.6	.	.	.
141	02MAY84	6553.15	222.5	.	.	.
142	11OCT84	6708.85	66.8	10.4	7.2	1984

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FIELD WATER QUALITY DATA - TRACT C-A

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-D1U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
143	04JAN84	6354.37	558.8	.	.	.
144	12JAN84	6354.37	558.8	.	.	.
145	17JAN84	6353.37	559.8	.	.	.
146	26JAN84	6354.57	558.6	.	.	.
147	01FEB84	6354.57	558.6	.	.	.
148	09FEB84	6353.87	559.3	.	.	.
149	15FEB84	6358.27	554.9	.	.	.
150	20FEB84	6350.67	562.5	.	.	.
151	29FEB84	6356.67	556.5	.	.	.
152	07MAR84	6350.37	562.8	.	.	.
153	15MAR84	6360.37	552.8	.	.	.
154	20MAR84	6362.17	551.0	.	.	.
155	28MAR84	6359.87	553.3	.	.	.
156	04APR84	6361.97	551.2	.	.	.
157	11APR84	6361.47	551.7	11	7.4	1300
158	19APR84	6360.07	553.1	.	.	.
159	24APR84	6362.37	550.8	.	.	.
160	02MAY84	6363.77	549.4	.	.	.
161	16OCT84	.	.	14	7.2	2066

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-D3U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
162	04JAN84	6309.55	603.8	.	.	.
163	12JAN84	6309.15	604.2	14.3	7.6	1950
164	17JAN84	6308.55	604.8	.	.	.
165	26JAN84	6308.85	604.5	.	.	.
166	01FEB84	6308.95	604.4	.	.	.
167	09FEB84	6308.95	604.4	.	.	.
168	15FEB84	6308.85	604.5	.	.	.
169	20FEB84	6309.05	604.3	.	.	.
170	29FEB84	6308.85	604.5	.	.	.
171	07MAR84	6308.85	604.5	.	.	.
172	15MAR84	6308.75	604.6	.	.	.
173	20MAR84	6308.45	604.9	.	.	.
174	28MAR84	6308.75	604.6	.	.	.
175	04APR84	6308.65	604.7	.	.	.
176	12APR84	6308.65	604.7	.	.	.
177	16APR84	6308.15	605.2	15.2	7.4	2000
178	24APR84	6308.35	605.0	.	.	.
179	02MAY84	6308.85	604.5	.	.	.
180	16OCT84	6706.85	206.5	12.8	7.1	1938

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--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-D5U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
181	12APR84	6407.64	527.7	12.7	7.2	1700
182	16OCT84	6704.94	230.4	11.2	6.9	2245

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-D6U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
183	26JAN84	6463.2	308.3	.	.	.
184	15FEB84	6462.2	309.3	.	.	.
185	14MAR84	6461.2	310.3	.	.	.
186	19APR84	6461.3	310.2	.	.	.
187	08OCT84	6702.1	69.4	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-D8U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
188	26JAN84	6550.9	178.9	.	.	.
189	15FEB84	6549.6	180.2	.	.	.
190	14MAR84	6548.1	181.7	.	.	.
191	19APR84	6547.2	182.6	.	.	.
192	08OCT84	6694.4	35.4	.	.	.

-- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-MDP2CU --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
193	05JAN84	6372.39	545.4	.	.	.
194	12JAN84	6366.89	550.9	12.7	7.3	1500
195	18JAN84	6367.99	549.8	.	.	.
196	26JAN84	6373.19	544.6	.	.	.
197	01FEB84	6375.29	542.5	.	.	.
198	09FEB84	6374.49	543.3	.	.	.
199	15FEB84	6372.79	545.0	.	.	.
200	20FEB84	6372.89	544.9	.	.	.
201	29FEB84	6374.19	543.6	.	.	.
202	07MAR84	6372.19	545.6	.	.	.
203	15MAR84	6371.89	545.9	.	.	.
204	20MAR84	6372.39	545.4	.	.	.
205	28MAR84	6371.39	546.4	.	.	.
206	04APR84	6371.49	546.3	.	.	.
207	12APR84	6371.89	545.9	.	.	.
208	16APR84	6370.99	546.8	14.0	6.9	1600
209	24APR84	6373.39	544.4	.	.	.

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FIELD WATER QUALITY DATA - TRACT C-A

-- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-MDP2CU --

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
210	02MAY84	6373.69	544.1	.	.	.
211	16OCT84	6706.79	211.0	11.3	7.1	2210

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M1U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
212	19APR84	6842	612	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M10U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
213	11JAN84	.	48.0	8.5	8.0	1150
214	12APR84	.	47.9	9.0	7.5	1300
215	16OCT84	.	46.2	8.4	7.8	1285

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M11U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
216	12APR84	.	22.6	.	.	.
217	16OCT84	.	22.2	8.2	7.7	1600

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M12U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
218	11JAN84	.	428.1	12.8	7.3	1450
219	12APR84	.	426.5	12.9	7.3	1450
220	16OCT84	.	422.2	12.7	7.3	1569

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M2U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
221	19APR84	6288.2	270.1	.	.	.
222	08OCT84	6291.3	267.0	.	.	.

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FIELD WATER QUALITY DATA - TRACT C-A

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M3U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
223	11JAN84	6309.7	12.6	7.5	9.6	1300
224	12APR84	6309.0	13.3	8.3	9.4	1300
225	160CT84	6309.0	13.3	8.6	9.6	1417

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M4U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
226	19APR84	6664.3	511.4	.	.	.
227	300CT84	6637.1	538.6	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M5U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
228	19APR84	.	233.0	.	.	.
229	080CT84	.	230.5	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M6U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
230	27APR84	.	455.1	.	.	.
231	080CT84	.	455.1	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M7U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
232	23APR84	.	420.5	.	.	.
233	080CT84	.	415.3	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M8U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
234	19APR84	.	45.8	.	.	.
235	110CT84	.	41.0	10.7	8.9	1100

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FIELD WATER QUALITY DATA - TRACT C-A

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-M9U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
236	12APR84	.	276.0	11.3	6.6	3100
237	11OCT84	.	271.8	12.0	7.0	2865

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-10U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
238	27APR84	6654.1	353.3	.	.	.
239	10OCT84	6672.5	334.9	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-12U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
240	27APR84	.	384.8	.	.	.
241	10OCT84	.	379.4	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-13U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
242	27APR84	.	412.3	.	.	.
243	10OCT84	.	401.5	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-15U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
244	11JAN84	6694.6	286.0	12.3	9.3	1400
245	11APR84	6689.5	291.1	13.1	7.5	2400
246	11OCT84	6697.0	283.6	13.5	8.0	2133

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-2-3U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
247	24APR84	.	166.3	.	.	.
248	08OCT84	.	123.6	.	.	.

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--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-20U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
249	10OCT84	.	462.3	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-21U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
250	27APR84	.	494.2	.	.	.
251	10OCT84	.	477.5	.	.	.

--- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-4-5U ---

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
252	11OCT84	.	93.6	.	.	.

---- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-6U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
253	11OCT84	.	63	.	.	.

---- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=GS-9U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
254	15FEB84	6817.1	315.9	.	.	.
255	15MAR84	6814.4	318.6	.	.	.
256	24APR84	6813.7	319.3	.	.	.
257	08OCT84	6812.6	320.4	.	.	.

---- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=TO-2U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
258	10OCT84	.	74.5	.	.	.

---- REPORT YEAR=1984 STATION TYPE=UPPER AQUIFER STATION LOCATION=TO-3U ----

OBS	DATE	ELEV	WL	TEMP	PH	SPC_COND
259	10OCT84	.	48.1	.	.	.

APPENDIX 5-1.4

1984 Water Chemistry MANOVA Results

- o Dewatering/Reinjection/Discharge System
  - Upper Aquifer Duncan's Multiple Range Test Results
- o MIS Development Area
  - Alluvial Aquifer Duncan's Multiple Range Test Results
  - Upper Aquifer Duncan's Multiple Range Test Results
  - Surface Station (Stream) Duncan's Multiple Range Test Results

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONwISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=152374

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	1455.2	32	FAR FIELD
B	1187.6	62	NEAR FIELD
C	892.8	38	CONTROL

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DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=181997

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	1986.1	32	FAR FIELD
B	1534.6	62	NEAR FIELD
C	1245.3	38	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=0.411757

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	8.0056	32	FAR FIELD
B	7.6508	38	CONTROL
B			
B	7.4342	62	NEAR FIELD

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DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=4042.73

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	604.00	32	FAR FIELD
B	452.73	62	NEAR FIELD
C	403.47	38	CONTROL

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=4379.46

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	96.097	62	NEAR FIELD
A			
A	90.063	32	FAR FIELD
B	57.929	38	CONTROL

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=1263.04

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	99.394	32	FAR FIELD
A			
A	94.290	62	NEAR FIELD
B	59.171	38	CONTROL

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DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=745.438

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	260.13	32	FAR FIELD
B	164.74	38	CONTROL
B			
B	154.68	62	NEAR FIELD

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DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=0.391644

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	0.92250	32	FAR FIELD
A			
A	0.77968	62	NEAR FIELD
A			
A	0.67079	38	CONTROL

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TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=29.5167

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	15.494	32	FAR FIELD
B	11.610	62	NEAR FIELD
E			
B	10.678	38	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
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TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=15870.7

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	565.88	32	FAR FIELD
A			
A	529.39	62	NEAR FIELD
B	471.24	38	CONTROL

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TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=53506.2

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=40.7084

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	625.34	32	FAR FIELD
B	500.68	62	NEAR FIELD
C	326.89	38	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
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TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=152374

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	1294.3	22	1984
A A	1287.4	22	1980
A A	1172.2	20	1983
A A	1134.6	19	1982
A A	1126.5	24	1981
A A	1067.8	4	1976
A A	1019.5	2	1979
A	998.9	19	1975

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
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TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=181997

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1730.9	22	1980
A			
A	1702.5	22	1984
A			
A	1594.7	19	1982
A			
A	1512.5	4	1976
A			
A	1473.8	20	1983
A			
A	1468.3	24	1981
A			
A	1437.5	2	1979
A			
A	1397.2	19	1975

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=0.411757

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	8.1200	22	1984
A A A	8.1083	24	1981
A A A	8.1000	2	1979
A A A	7.8950	22	1980
A A A	7.6263	19	1982
A	7.4000	20	1983
B B	6.6500	4	1976
B	6.5895	19	1975

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=4042.73

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	549.50	22	1980
A			
B A	489.25	24	1981
B			
B C	481.42	19	1982
B C			
B C	465.05	22	1984
B C			
B C	453.05	20	1983
B C			
B C	431.25	4	1976
B C			
B C	426.50	2	1979
C			
C	414.79	19	1975

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONwISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=4379.46

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	110.81	22	1984
A			
A	107.69	22	1980
A			
A	87.15	20	1983
A			
A	71.73	19	1982
A			
A	70.19	24	1981
A			
A	61.50	2	1979
A			
A	60.16	19	1975
A			
A	44.50	4	1976

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=1263.04

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	99.500	4	1976
A			
A	96.864	22	1984
A			
A	93.505	22	1980
A			
A	88.650	20	1983
A			
A	87.000	19	1982
A			
A	78.083	24	1981
A			
A	66.316	19	1975
A			
A	64.500	2	1979

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=745.438

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING			MEAN	N	RPTYR
	A		205.26	19	1975
	A				
	A		202.50	4	1976
	A				
B	A		193.59	22	1980
B	A				
B	A		191.00	2	1979
B	A				
B	A	C	186.96	24	1981
B	A	C			
B	A	C	182.63	19	1982
B		C			
B		C	167.77	22	1984
		C			
		C	158.75	20	1983

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=0.391644

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1.0742	19	1982
A			
A	0.9750	20	1983
A			
A	0.9716	19	1975
A			
A	0.9500	2	1979
A			
A	0.8000	4	1976
A			
A	0.6367	24	1981
A			
A	0.5636	22	1984
A			
A	0.5545	22	1980

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=29.5167

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING		MEAN	N	RPTYR
	A	19.500	4	1976
	A			
B	A	16.313	22	1980
B	A			
B	A C	14.121	19	1975
B	C			
B	C	11.318	22	1984
B	C			
B	C	11.114	24	1981
B	C			
B	C	10.758	19	1982
B	C			
B	C	10.500	2	1979
	C			
	C	8.753	20	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=15870.7

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	580.62	22	1980
A			
A	541.68	19	1982
A			
A	516.25	4	1976
A			
A	512.95	20	1983
A			
A	504.75	24	1981
A			
A	503.55	22	1984
A			
A	489.21	19	1975
A			
A	478.00	2	1979

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
DEWATERING AND REINJECTION SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=109 MSE=53506.2

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=7.70833

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	576.05	22	1984
A			
A	531.50	22	1980
A			
A	476.00	20	1983
A			
A	470.00	2	1979
A			
A	464.05	19	1982
A			
A	462.17	24	1981
A			
A	437.50	4	1976
A			
A	367.89	19	1975

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=7213.59

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	1274.7	29	FAR FIELD
B	1169.5	13	NEAR FIELD
C	782.1	67	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=19003.1

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	1700.4	29	FAR FIELD
B	1596.5	13	NEAR FIELD
C	1102.1	67	CONTROL

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=.0744891

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	7.5954	13	NEAR FIELD
B	6.8554	67	CONTROL
B			
B	6.8338	29	FAR FIELD

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=4133.77

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A A	506.48	29	FAR FIELD
A	475.46	13	NEAR FIELD
B	380.12	67	CONTROL

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=537.56

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	106.00	13	NEAR FIELD
A			
B A	100.17	29	FAR FIELD
B			
B	91.85	67	CONTROL

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=310.593

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	106.90	29	FAR FIELD
B	84.62	13	NEAR FIELD
C	50.53	67	CONTROL

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=963.259

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	186.24	29	FAR FIELD
A			
A	168.77	13	NEAR FIELD
B	113.15	67	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=.0149765

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	0.40615	13	NEAR FIELD
B	0.31433	67	CONTROL
B			
B	0.28828	29	FAR FIELD

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=35.9776

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	17.279	29	FAR FIELD
B	13.165	67	CONTROL
B			
B	12.612	13	NEAR FIELD

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=1458.3

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	598.28	29	FAR FIELD
B	554.38	13	NEAR FIELD
C	444.78	07	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=2777.86

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=23.7471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	522.41	29	FAR FIELD
B	491.38	13	NEAR FIELD
C	261.72	67	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=7213.59

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1205.0	2	1584
B B	1088.7	10	1983
C C B B	1058.3	3	1977
C C B B	1055.0	2	1979
C C B B	1052.8	12	1982
C C B B	1047.3	12	1981
C C B	1031.3	4	1978
C D D	936.9	24	1976
E E D	870.2	32	1975
E	791.8	8	1980

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=19003.1

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING			MEAN	N	RPTYR
	A		1660.0	2	1979
	A				
B	A		1650.0	4	1978
B	A				
B	A	C	1600.0	2	1984
B	A	C			
B D	A	C	1475.0	12	1982
B D		C			
B D		C	1460.0	3	1977
D		C			
D		C	1455.0	10	1983
D					
D			1364.6	12	1981
D					
D	E		1311.4	24	1980
	E				
F	E		1175.2	32	1975
F					
F			1087.5	8	1980

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=.0744891

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	8.2100	2	1984
B	7.6750	4	1978
B			
C B	7.5762	8	1980
C B			
C B	7.5667	12	1982
C B			
C B	7.5250	12	1981
C B			
C B	7.3000	2	1979
C			
C	7.2200	10	1983
D	6.8333	3	1977
E	6.4812	32	1975
E			
E	6.3625	24	1976

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=4133.77

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	526.00	2	1984
A			
B A	473.00	10	1983
B A			
B A	472.17	12	1982
B A			
B A	461.33	12	1981
B A			
B A	445.00	2	1979
B A			
B A	441.67	3	1977
B			
B C	415.00	24	1976
B C			
B C	397.63	8	1980
B C			
B C	396.63	32	1975
C			
C	326.25	4	1978

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=537.56

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	115.75	12	1981
A			
A	112.40	10	1983
A			
A	105.92	12	1982
A			
A	103.50	2	1984
A			
B A	96.00	2	1979
B A			
B A	95.01	8	1980
B A			
B A	90.38	32	1975
B A			
B A	89.13	24	1976
B			
B	67.50	4	1978
B			
B	64.33	3	1977

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=310.393

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING			MEAN	N	RPTYR
	A		93.500	2	1984
	A				
	A		91.000	3	1977
	A				
B	A		86.083	12	1981
B	A				
B	A		84.500	10	1983
B	A				
B	A		83.500	12	1982
B	A				
B	A	C	78.500	2	1979
B		C			
B	D	C	65.125	24	1976
	D	C			
	D	C	58.525	8	1980
	D	C			
	D	C	57.947	32	1975
	D				
	D		50.750	4	1978

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=963.259

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING			MEAN	N	RPTYR
	A		270.00	4	1978
	B		166.67	3	1977
	B				
C	B		160.00	2	1984
C	B				
C	B		146.38	24	1976
C	B				
C	B		145.00	2	1979
C	B				
C	B		140.00	32	1975
C	B				
C	B	D	130.67	12	1982
C	B	D			
C	B	D	129.70	10	1983
C		D			
C		D	117.08	12	1981
		D			
		D	90.38	8	1980

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=.0149765

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	0.39375	32	1975
A			
A	0.38600	10	1983
A			
B A	0.35000	4	1978
B A			
B A	0.32500	12	1982
B A			
B A	0.31000	8	1980
B A			
B A	0.30000	2	1984
B A			
B A	0.30000	2	1979
B A			
B A	0.26667	24	1976
B			
B	0.20000	3	1977
B			
B	0.18833	12	1981

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=35.9776

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	20.000	2	1979
A			
A	17.422	12	1981
A			
A	15.300	3	1977
A			
A	14.933	12	1982
A			
A	13.984	32	1975
A			
A	13.145	10	1983
A			
A	13.100	24	1976
A			
A	13.000	4	1976
A			
A	12.787	8	1980
A			
A	12.650	2	1984

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=1458.3

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	620.00	2	1984
B	556.60	10	1983
B			
B	552.50	12	1982
B			
B	545.00	2	1979
B			
B	538.33	3	1977
B			
C B	520.25	12	1981
C			
C D	479.06	32	1975
C D			
C D	475.83	24	1976
D			
D	464.13	8	1980
E	377.50	4	1978

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=ALLUVIAL AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=86 MSE=2777.86

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.88301

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	496.50	2	1984
B A A	475.00	4	1978
B A A C C	433.58	12	1981
B A C C C	425.40	10	1983
B C C C	421.17	12	1982
D C C	396.67	3	1977
D C C	380.00	2	1979
E D	345.42	24	1976
E F	290.63	32	1975
F	266.13	8	1980

RIO BLANCO OIL SHALE COMPANY
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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=212558

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	1455.2	32	FAR FIELD
A			
A	1393.2	41	CONTROL
B	1158.3	107	NEAR FIELD

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=335309

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	1986.1	32	FAR FIELD
A			
B A	1787.0	41	CONTROL
B			
B	1571.1	107	NEAR FIELD

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=0.353446

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	8.0056	32	FAR FIELD
B	7.7049	41	CONTROL
B			
B	7.5912	107	NEAR FIELD

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=88721.1

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	604.00	32	FAR FIELD
A			
A	583.33	107	NEAR FIELD
B	456.05	41	CONTROL

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=3801.05

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	90.063	32	FAR FIELD
A			
A	81.341	41	CONTROL
A			
A	68.315	107	NEAR FIELD

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=1187.5

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	110.56	41	CONTROL
A			
A	99.39	32	FAR FIELD
B	76.42	107	NEAR FIELD

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=25998

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	260.13	32	FAR FIELD
A			
A	228.56	107	NEAR FIELD
A			
A	205.76	41	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=17.8234

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	2.3866	107	NEAR FIELD
A			
A	1.0459	41	CONTROL
A			
A	0.9225	32	FAR FIELD

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=106.236

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	15.494	32	FAR FIELD
A			
A	14.523	107	NEAR FIELD
B	10.140	41	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=119484

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	674.93	107	NEAR FIELD
A			
A	565.88	32	FAR FIELD
A			
A	525.66	41	CONTROL

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=46900.5

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=46.1638

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	AREA
A	643.17	41	CONTROL
A			
A	625.34	32	FAR FIELD
B	374.63	107	NEAR FIELD

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=212558

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1507.3	7	1976
A			
A	1391.1	25	1984
A			
A	1351.3	4	1979
A			
A	1310.2	25	1975
A			
A	1281.9	39	1980
A			
A	1236.6	30	1981
A			
A	1165.9	26	1983
A			
A	1150.0	1	1978
A			
A	1112.4	23	1982

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=335309

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	2080.7	7	1976
A			
A	1897.9	25	1975
A			
A	1827.6	25	1984
A			
A	1735.8	39	1980
A			
A	1700.0	1	1978
A			
A	1587.0	30	1981
A			
A	1561.3	4	1979
A			
A	1552.2	23	1982
A			
A	1472.1	26	1983

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=0.353446

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING		MEAN	N	RPTYR
	A	8.1433	30	1981
	A			
	A	8.1024	25	1984
	A			
	A	8.1000	4	1979
	A			
	A	7.9200	39	1980
	A			
B	A	7.6913	23	1982
B	A			
B	A C	7.6000	1	1978
B	A C			
B	A C	7.3962	26	1983
B	C			
B	C	6.9286	7	1976
	C			
	C	6.8360	25	1975

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=88721.1

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	982.14	7	1976
A			
B A	755.24	25	1975
B			
B	549.51	39	1980
B			
B	502.67	30	1981
B			
B	500.60	25	1984
B			
B	493.00	4	1979
B			
B	486.48	25	1982
B			
B	467.46	26	1983
B			
B	345.00	1	1978

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=3801.05

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING		MEAN	N	RPTYR
	A	116.19	25	1984
	A			
B	A	88.75	39	1980
B	A			
B	A	83.15	26	1983
B	A			
B	A	67.22	30	1981
B	A			
B	A	65.17	23	1982
B	A			
B	A	59.65	4	1979
B	A			
B	A	40.38	25	1975
B				
B		30.06	7	1976
B				
B		25.00	1	1978

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=1187.5

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING		MEAN	N	RPTYR
	A	109.24	25	1984
	A			
B	A	100.77	39	1980
B	A			
B	A	89.60	30	1981
B	A			
B	A	89.19	26	1983
B	A			
B	A	87.00	1	1978
B	A			
B	A	85.43	23	1982
B	A			
B	A	78.75	4	1979
B	A			
B	A	70.37	7	1976
B				
B		54.51	25	1975

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=25598

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN	GROUPING	MEAN	N	RPTYR
	A	486.43	7	1976
	A			
B	A	388.40	25	1975
B				
B	C	240.50	4	1979
B	C			
B	C	235.00	1	1978
B	C			
B	C	209.23	30	1981
B	C			
B	C	198.36	39	1980
B	C			
B	C	185.22	23	1982
B	C			
B	C	175.52	25	1984
	C			
	C	163.19	26	1983

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MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=17.8234

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	7.0286	7	1976
A			
B A	6.2816	25	1975
B			
B	1.4000	1	1978
B			
B	1.3500	4	1979
B			
B	1.1161	23	1982
B			
B	0.9700	26	1983
B			
B	0.8210	39	1980
B			
B	0.6043	30	1981
B			
B	0.3560	25	1984

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=106.236

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	29.871	7	1976
A			
B A	21.144	25	1975
B			
B	13.587	39	1980
B			
B	12.704	25	1984
B			
B	11.741	30	1981
B			
B	11.175	4	1979
B			
B	10.322	23	1982
B			
B	10.000	1	1978
B			
B	9.077	26	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=119484

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1097.9	7	1976
A			
B A	870.0	25	1975
B			
B	606.3	39	1980
B			
B	559.5	4	1979
B			
B	551.8	23	1982
B			
B	550.9	25	1984
B			
B	532.4	26	1983
C			
B	528.2	30	1981
D			
E	405.0	1	1978

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
MODIFIED INSITU DEVELOPMENT SYSTEM
TYPE=UPPER AQUIFER

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=155 MSE=46900.5

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.577

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	622.48	25	1984
A			
B A	528.10	30	1981
B A			
B A	525.00	1	1978
B A			
B A	524.59	39	1980
B A			
B A	497.50	4	1979
B A			
B A	467.15	26	1983
B A			
B A	443.74	23	1982
B A			
B A	332.86	7	1976
B			
B	297.08	25	1975

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=3233

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1090.5	4	1984
A			
A	1054.5	4	1983
A			
A	1031.0	1	1981
A			
A	960.0	3	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=9364.58

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1560.0	4	1984
A			
A	1400.0	1	1981
A			
A	1391.7	3	1982
A			
A	1375.0	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=.0961927

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	8.2667	3	1982
A			
A	8.1775	4	1984
A			
A	7.8000	1	1981
A			
A	7.6000	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=1958.25

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	469.50	4	1984
A			
A	469.00	1	1981
A			
A	464.00	3	1982
A			
A	456.50	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=7.9375

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	91.750	4	1984
A	84.750	4	1983
B			
C B	80.000	1	1981
C			
C	76.000	3	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=12.4271

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	79.750	4	1984
B	70.000	4	1983
B			
B	68.000	1	1981
B			
B	66.333	3	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=454.208

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	170.00	1	1981
A			
A	165.00	4	1983
A			
A	163.50	4	1984
A			
A	156.67	3	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=.0204625

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	0.64000	3	1982
A			
A	0.60000	4	1983
A			
A	0.52500	4	1984
B	0.12000	1	1981

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=29.997

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	11.527	3	1982
A			
A	10.275	4	1984
A			
A	8.790	1	1981
A			
A	7.005	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=2546.88

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.18182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	555.50	4	1984
A			
A	546.00	3	1982
A			
A	543.00	1	1981
A			
A	534.00	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YBOXFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=8 MSE=883.278

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=2.16182

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	430.75	4	1984
A			
A	412.00	1	1981
A			
B A	384.75	4	1983
B			
B	323.23	3	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=1931.93

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1346.8	4	1984
B	1229.3	4	1983
B			
B	1195.0	2	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=7010.71

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1840.0	4	1984
A			
A	1700.0	2	1982
B	1537.5	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=.044C821

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	8.2375	4	1984
B A B	8.1500	2	1982
E	7.7750	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=4184.89

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	548.50	2	1982
A			
A	514.50	4	1983
A			
A	494.75	4	1984

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=60.25

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	104.75	4	1984
A A	96.00	2	1982
A	94.50	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONwISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=15.3571

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	94.250	4	1984
B	84.750	4	1983
B			
B	84.000	2	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=308

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	208.00	4	1984
A A	190.00	2	1982
A	185.00	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=.0111857

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	0.42500	4	1983
A			
A	0.35000	4	1984
A			
A	0.34000	2	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=32.4842

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	19.500	4	1984
A A	15.335	2	1982
A	11.367	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=6215.71

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	647.50	2	1982
A			
A	598.25	4	1983
A			
A	578.75	4	1984

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YCOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=7 MSE=2660.26

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYP
A A	565.00	4	1984
B A B	471.00	4	1983
B	433.05	2	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=3033.11

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1173.0	4	1984
B	1068.5	4	1983
B			
B	1020.0	2	1981
B			
B	982.6	5	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=14886.4

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	1602.5	4	1984
B A B A	1450.0	2	1981
B A B	1420.0	5	1982
B	1362.5	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=.0463364

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	8.2000	4	1984
A			
B A	8.0400	5	1982
B			
B	7.8000	2	1981
B			
B	7.7250	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER PLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=1514.43

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	495.00	2	1981
A			
A	474.75	4	1984
A			
A	471.75	4	1983
A			
A	465.60	5	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=28.7273

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	95.750	4	1984
A			
B A	86.750	4	1983
B			
B	80.000	5	1982
B			
B	77.500	2	1981

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=20.7318

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	85.000	4	1984
B	73.250	4	1983
B			
B	70.500	2	1981
B			
B	66.800	5	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=259.636

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	175.50	4	1984
A			
A	167.50	4	1983
A			
A	166.00	5	1982
A			
A	165.00	2	1981

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=.0344745

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	0.69600	5	1982
A A	0.68000	2	1981
A A	0.57500	4	1983
A	0.45000	4	1984

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=14.4116

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	14.600	4	1984
A			
A	10.622	5	1982
A			
A	10.400	2	1981
A			
A	8.057	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=2169.56

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	578.00	2	1981
A A	559.50	4	1984
A A	549.60	5	1982
A	547.50	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YMET3

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=11 MSE=1909.97

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.33333

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	487.00	4	1984
B	403.50	4	1983
B			
B	366.50	2	1981
B			
B	350.75	5	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TDS
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=14430.6

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	1544.3	4	1984
A A	1430.5	4	1983
A A	1404.3	3	1981
A	1379.6	5	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SPC_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=34205

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	2033.8	4	1984
A			
A	1820.0	5	1982
A			
A	1808.3	3	1981
A			
A	1787.5	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=.0393063

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING		MEAN	N	RPTYR
	A A	8.1675	4	1984
B B	A	8.0000	3	1981
B	C C	7.8000	5	1982
	C	7.5000	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=4245.98

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	580.00	5	1982
A			
A	572.75	4	1983
A			
A	560.00	3	1981
A			
A	525.50	4	1984

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=85.7889

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	127.00	4	1984
B B	107.00	4	1983
B B	103.20	5	1982
B	98.67	3	1981

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=136.101

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	114.25	4	1984
A			
A	109.33	3	1981
A			
A	105.50	4	1983
A			
A	104.20	5	1982

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=422.785

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	215.00	4	1983
A A	213.25	4	1984
A A	204.00	5	1982
A	203.33	3	1981

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=.0610056

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	0.52500	4	1984
A			
A	0.52000	5	1982
A			
A	0.42500	4	1983
A			
A	0.31667	3	1981

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=62.4665

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A A	21.867	3	1981
A A	19.876	5	1982
A A	17.900	4	1984
A	13.825	4	1983

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: HCO3
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=6294.85

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	684.00	5	1982
A			
A	675.75	4	1983
A			
A	652.67	3	1981
A			
A	614.25	4	1984

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM

MULTIVARIATE ANALYSIS OF VARIANCE - WATER CHEMISTRY DATA
SURFACE WATER FLUME STATIONS
STATION=YSEOFL

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=12 MSE=3949.6

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=3.87097

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

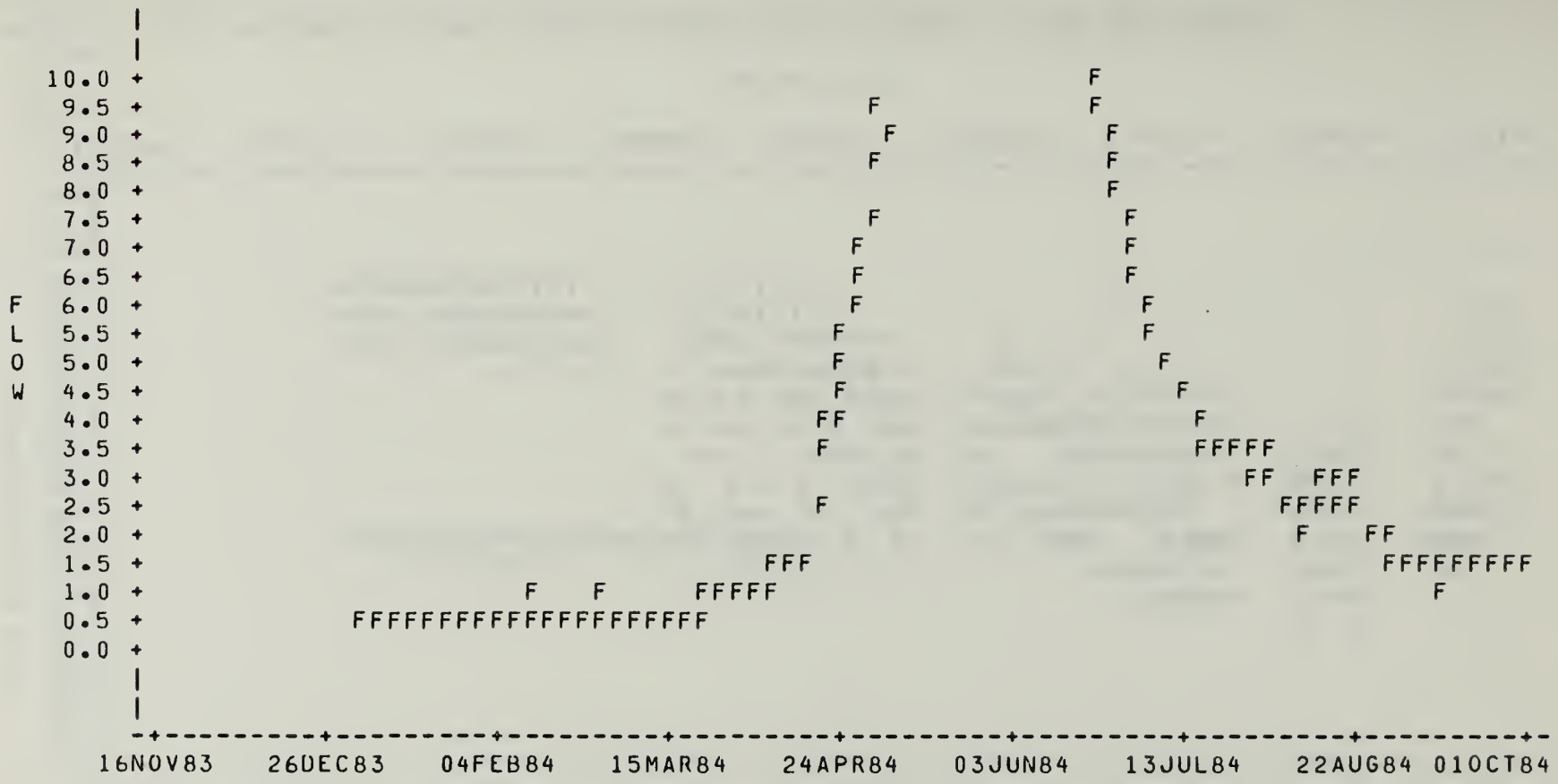
DUNCAN GROUPING	MEAN	N	RPTYR
A	684.50	4	1984
B B	583.75	4	1983
B B	576.00	3	1981
B	556.98	5	1982

APPENDIX 5-2.1

1984 Water Year USGS Data (Stream Gage Sites)

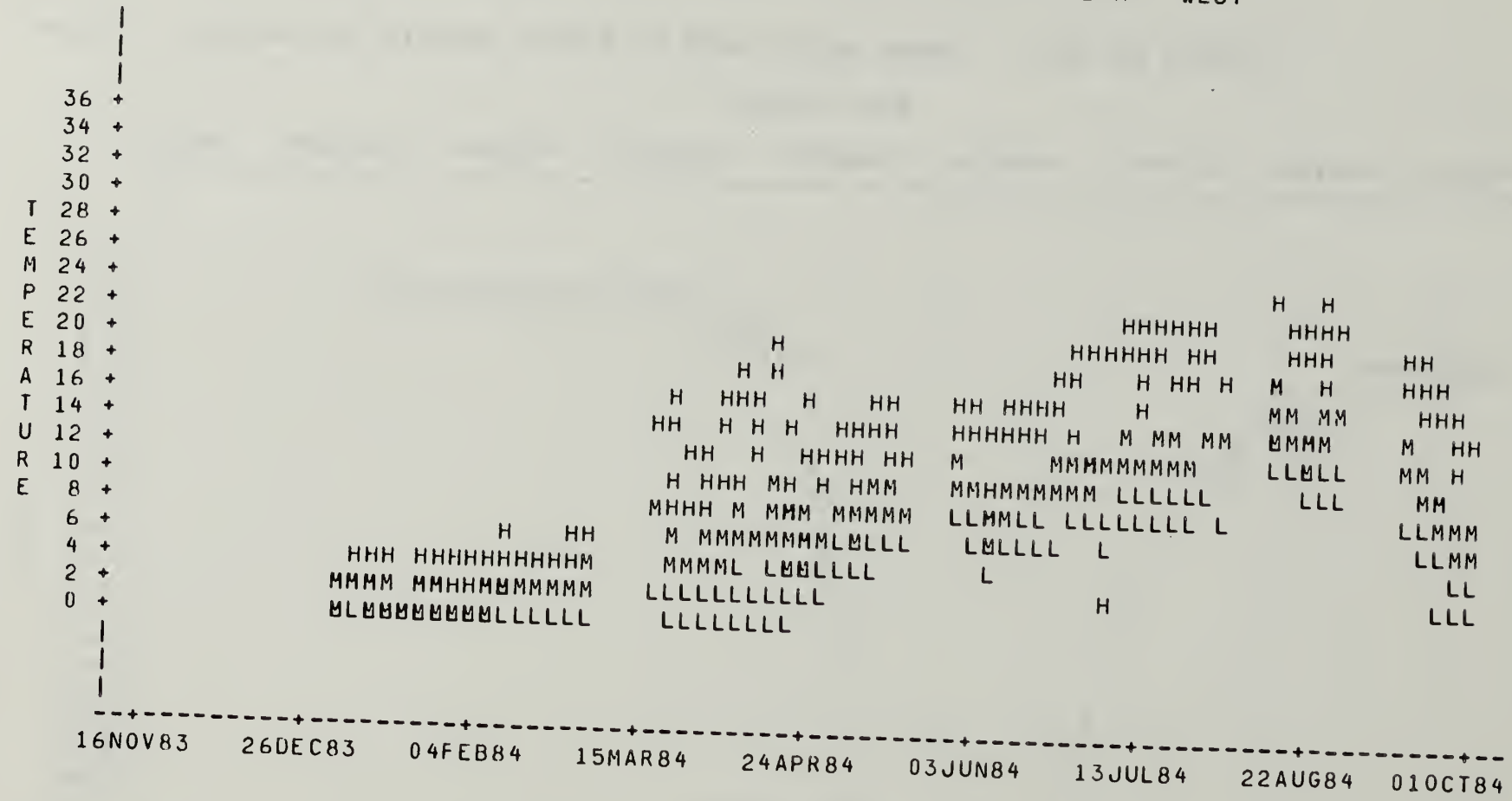
- Daily Values Time Series Plots
- Daily Field Measurements Data Listing
- Water Chemistry Data Listing
- Duncan's Multiple Range Test Results - Daily Field Measurements
- Duncan's Multiple Range Test Results - Water Chemistry Data

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=B-CORRAL GULCH - WEST



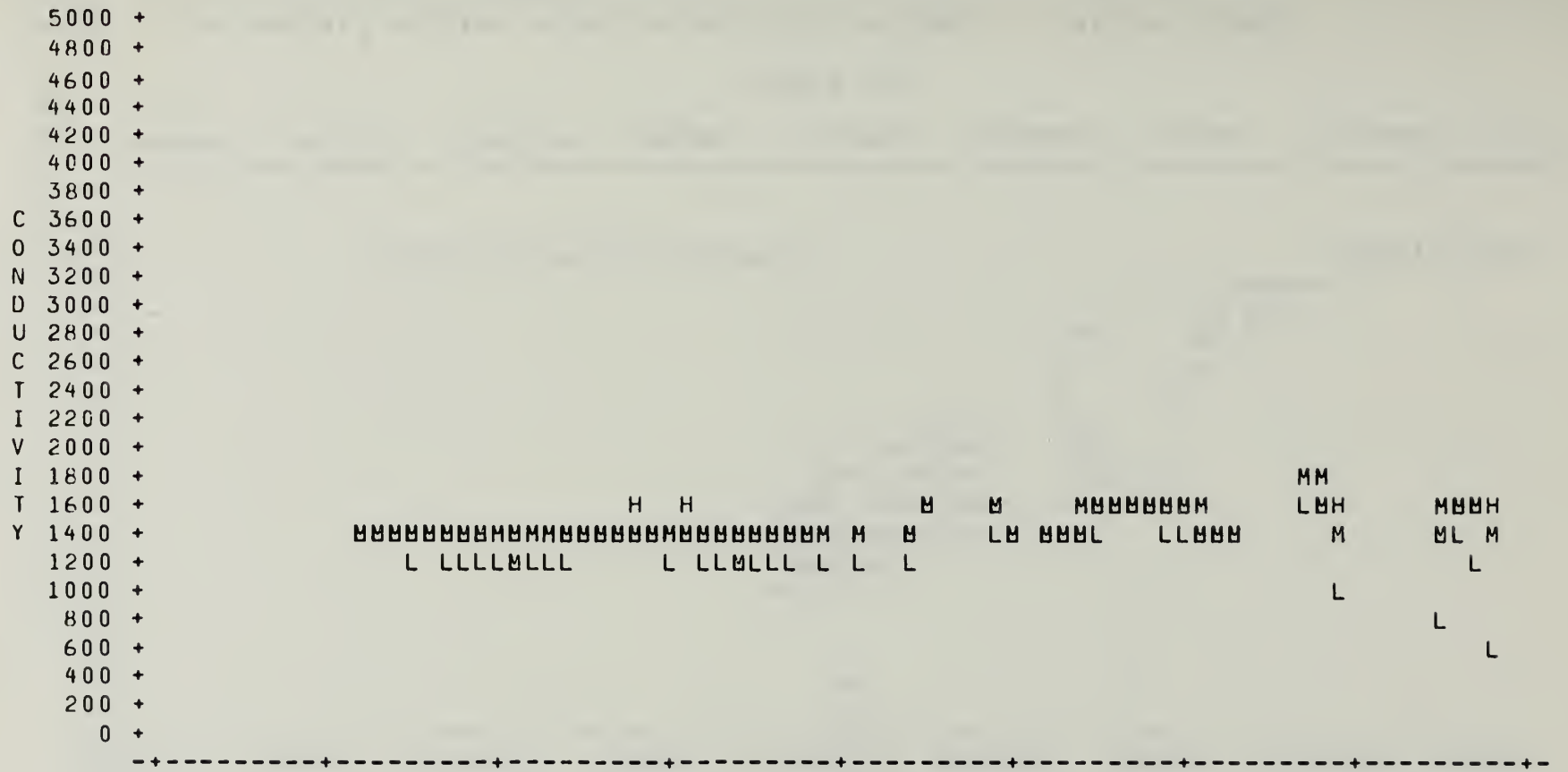
NOTE: 49 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 139 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=B-CORRAL GULCH - WEST



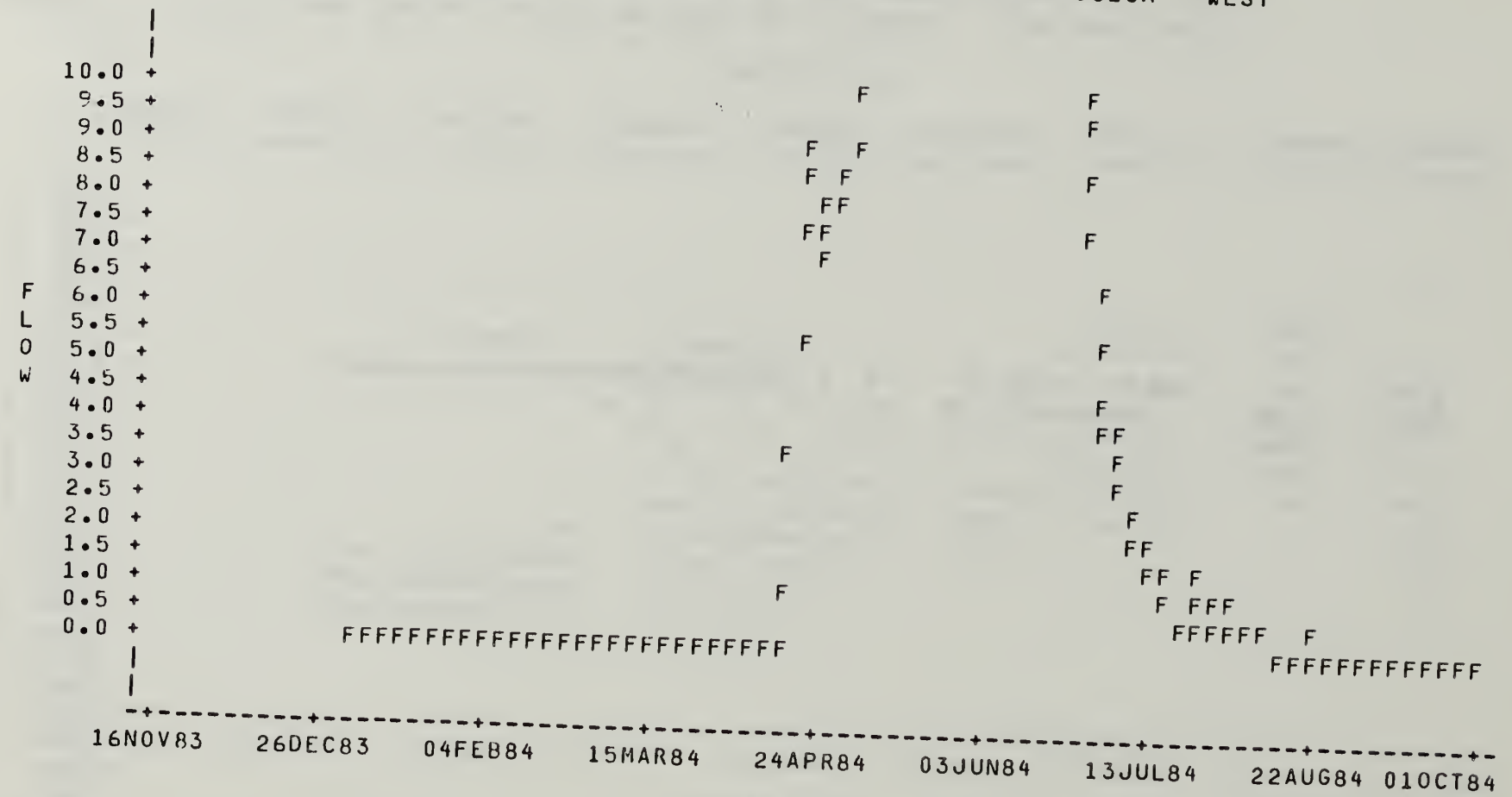
NOTE: 180 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 320 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=B-CORRAL GULCH - WEST



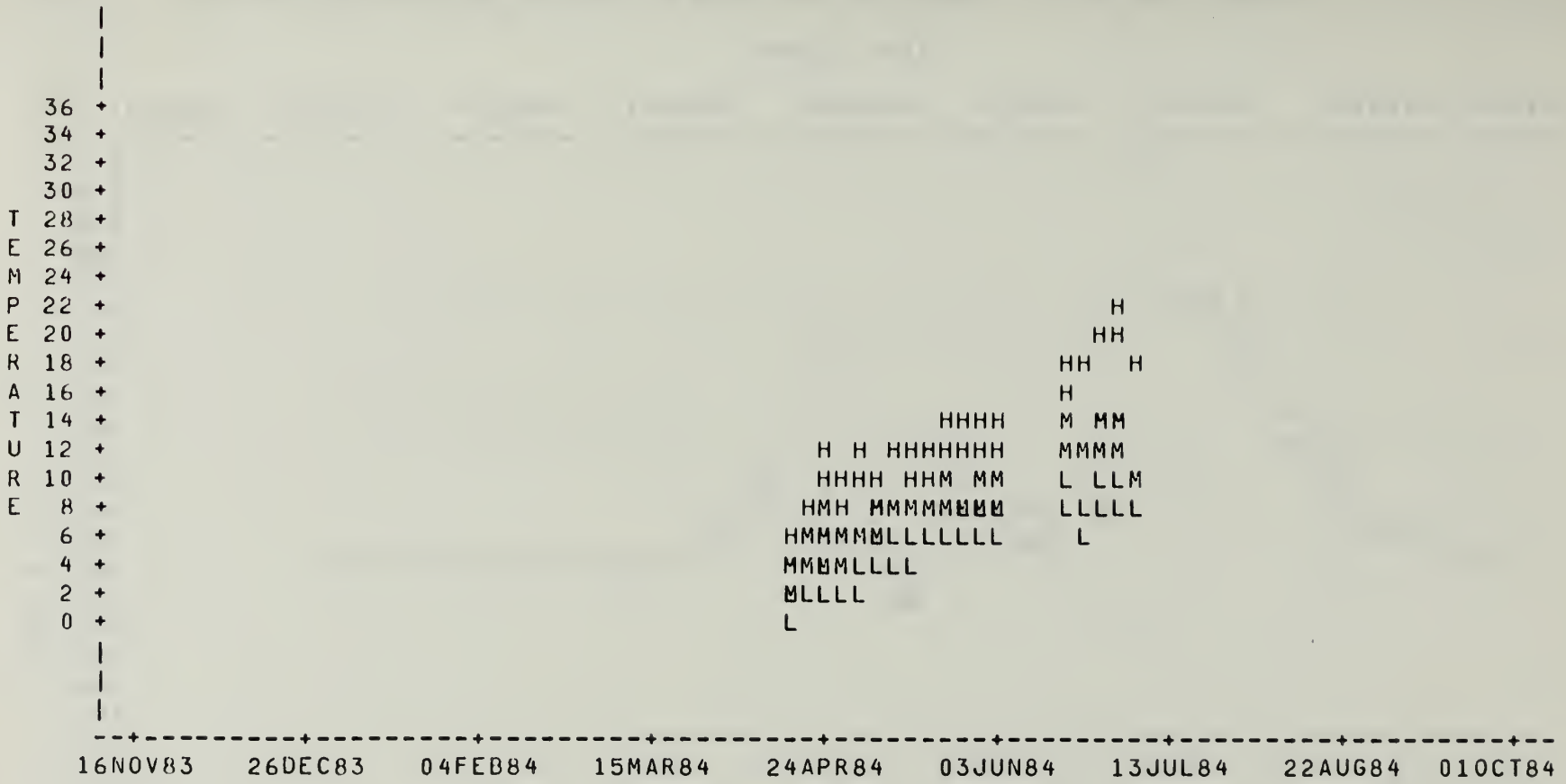
NOTE: 276 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 359 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=C-BOX ELDER GULCH - WEST



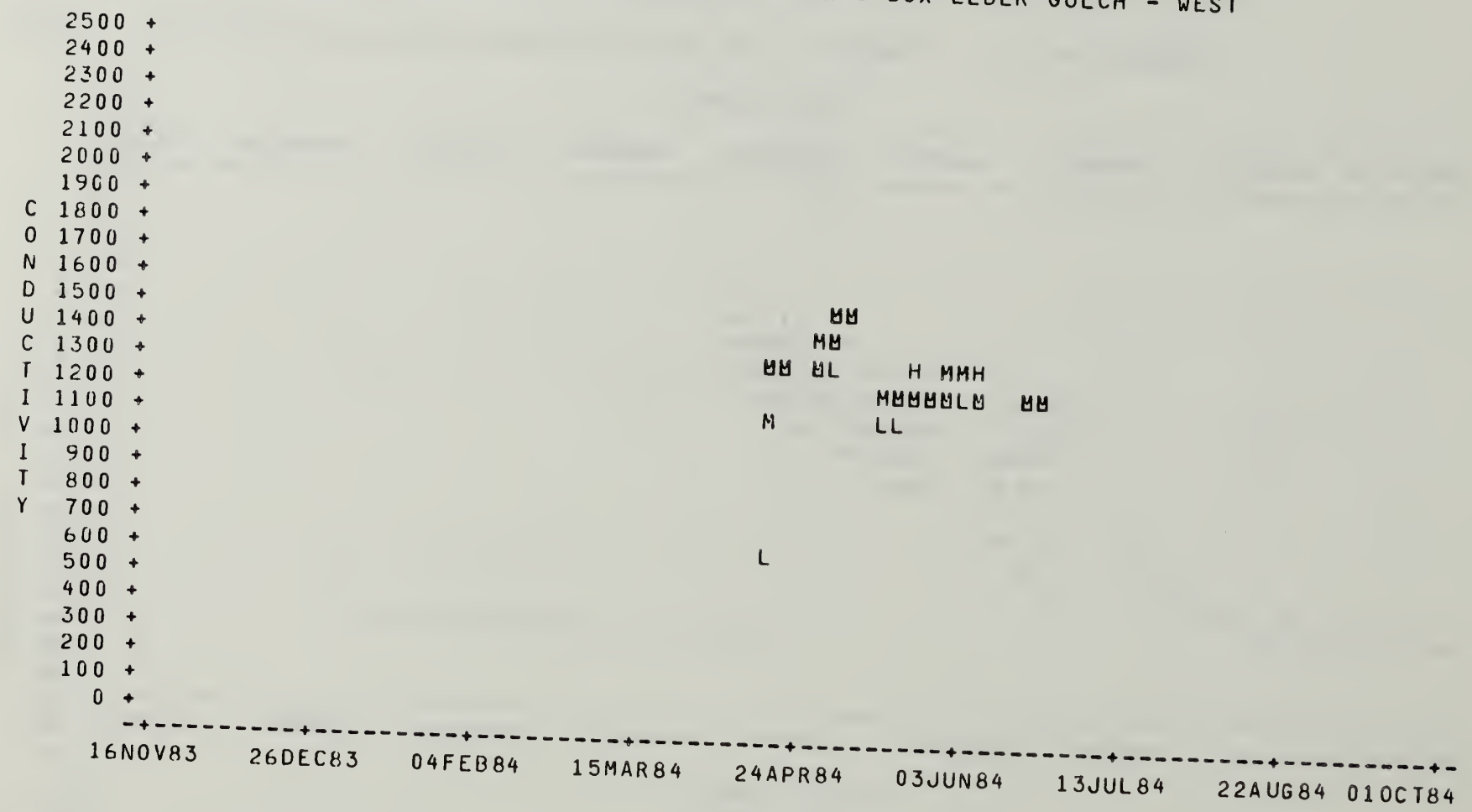
NOTE: 54 OBS HAD MISSING VALUES OR WERE OUT OF RANGE. 139 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=C-BOX ELDER GULCH - WEST



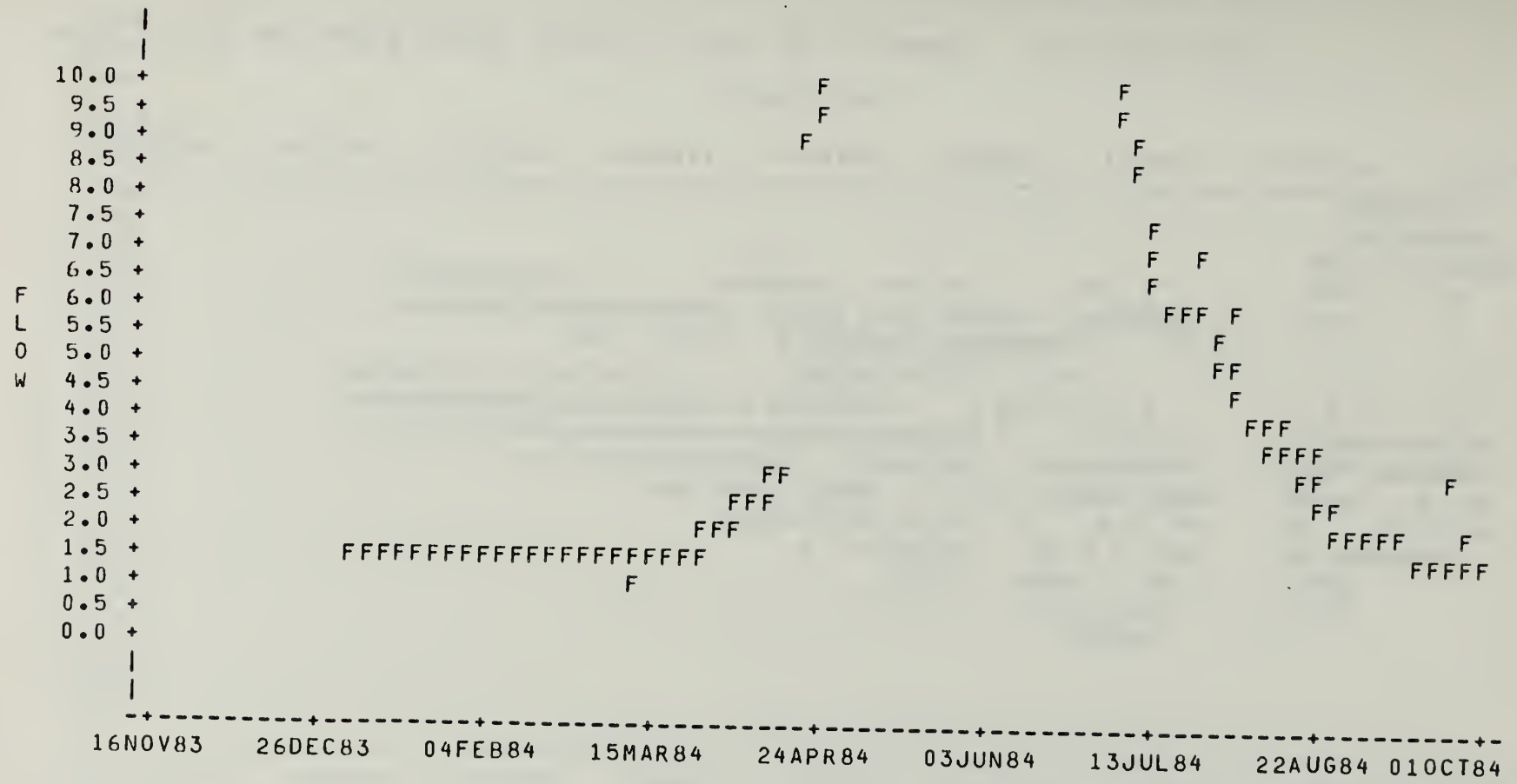
NOTE: 636 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 91 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=C-BOX ELDER GULCH - WEST



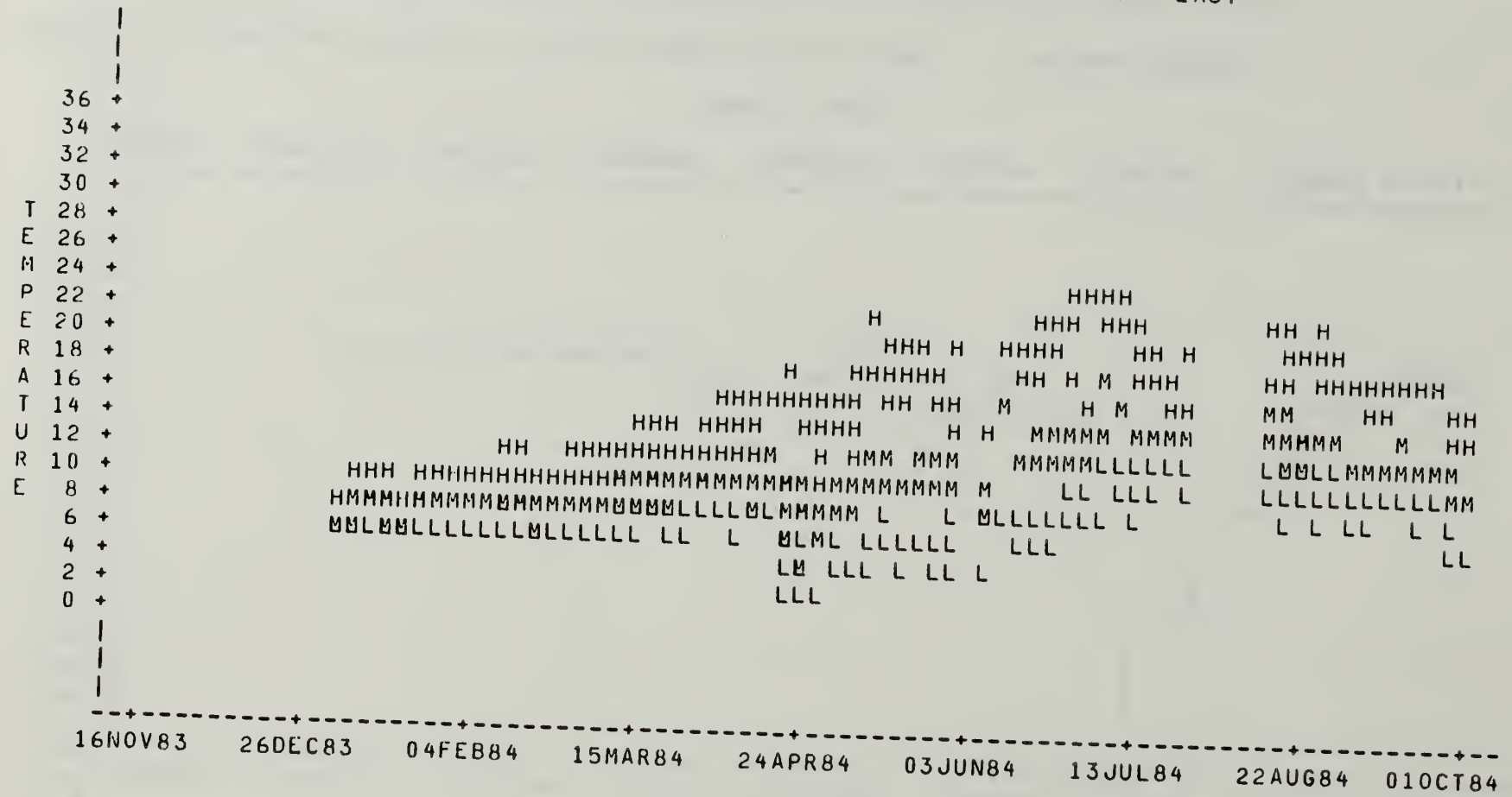
NOTE: 714 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 56 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=D-CORRAL GULCH - EAST



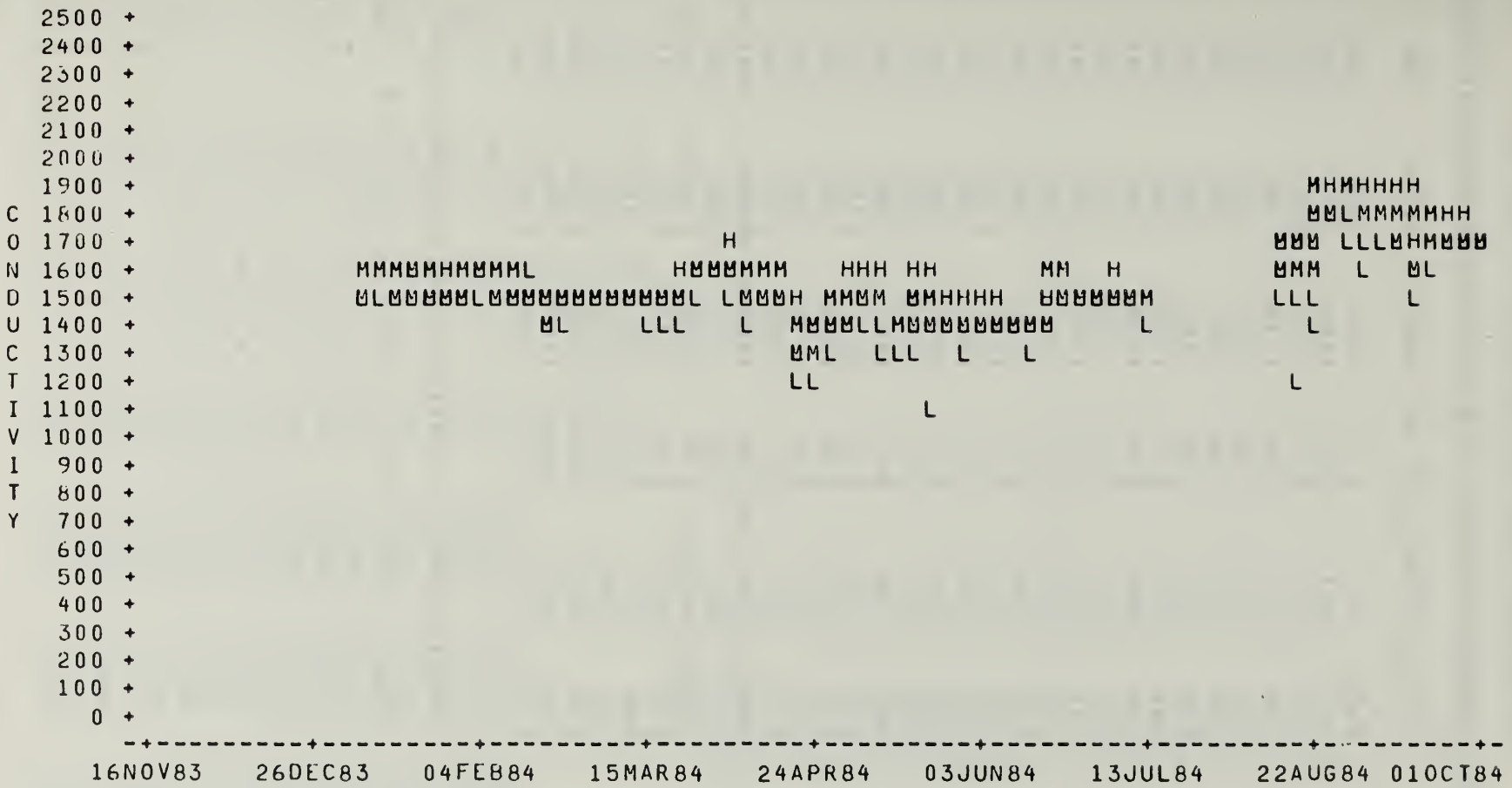
NOTE: 77 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 124 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=D-CORRAL GULCH - EAST



NOTE: 105 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 385 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS
REPORT YEAR=1984 STATION LOCATION=D-CORRAL GULCH - EAST



NOTE: 213 OBS HAD MISSING VALUES OR WERE OUT OF RANGE 343 OBS HIDDEN

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS

-- REPORT YEAR=1984 MONTH=JANUARY STATION LOCATION=B-CORRAL GULCH - WEST

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JAN84	0.65	0.9	0.1	0.2	1430	1320	1363	.	.
02JAN84	0.63	0.1	0.1	0.1	1450	1340	1401	.	.
03JAN84	0.66	1.4	0.1	0.4	1400	1310	1367	.	.
04JAN84	0.62	3.0	0.7	1.8	1370	1320	1361	.	.
05JAN84	0.60	2.8	0.6	1.6	1400	1350	1371	.	.
06JAN84	0.56	3.2	0.7	1.6	1410	1340	1383	.	.
07JAN84	0.56	2.9	0.5	1.5	1460	1340	1379	.	.
08JAN84	0.60	3.2	0.2	1.4	1390	1340	1369	.	.
09JAN84	0.56	2.5	0.0	0.8	1400	1340	1371	.	.
10JAN84	0.55	2.0	0.0	0.4	1420	1310	1380	.	.
11JAN84	0.59	3.1	0.2	1.3	1380	1330	1364	.	.
12JAN84	0.59	1.8	0.0	0.7	1380	1350	1370	.	.
13JAN84	0.59	3.1	0.0	1.0	1410	1320	1366	.	.
14JAN84	0.63	3.3	0.2	1.6	1370	1320	1349	.	.
15JAN84	0.62	0.5	0.0	0.0	1420	1330	1375	.	.
16JAN84	0.60	0.5	0.0	0.0	1400	1300	1364	.	.
17JAN84	0.58	0.2	0.0	0.0	1410	1350	1371	.	.
18JAN84	0.56	0.0	0.0	0.0	1420	1350	1394	.	.
19JAN84	0.56	0.0	0.0	0.0	1410	1310	1366	.	.
20JAN84	0.54	0.1	0.0	0.0	1390	1310	1367	.	.
21JAN84	0.54	1.7	0.0	0.4	1370	1340	1362	.	.
22JAN84	0.54	2.7	0.3	1.3	1380	1330	1360	.	.
23JAN84	0.52	2.2	0.4	1.4	1380	1320	1353	.	.
24JAN84	0.52	3.2	0.1	1.8	1370	1290	1339	.	.
25JAN84	0.50	3.3	0.8	1.9	1380	1300	1343	.	.
26JAN84	0.50	3.3	0.1	2.0	1370	1290	1331	.	.
27JAN84	0.45	3.0	0.0	1.0	1380	1310	1353	.	.
28JAN84	0.49	2.9	0.0	1.1	1370	1320	1356	.	.
29JAN84	0.53	2.9	0.0	0.8	1400	1310	1358	.	.
30JAN84	0.53	2.5	0.0	0.5	1400	1300	1369	.	.
31JAN84	0.53	2.6	0.0	0.5	1400	1300	1366	.	.

REPORT YEAR=1984 MONTH=JANUARY STATION LOCATION=C-BOX ELDER GULCH - WEST

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JAN84	0	.	.	.	.	.	.	.	.
02JAN84	0	.	.	.	.	.	.	.	.
03JAN84	0	.	.	.	.	.	.	.	.
04JAN84	0	.	.	.	.	.	.	.	.
05JAN84	0	.	.	.	.	.	.	.	.
06JAN84	0	.	.	.	.	.	.	.	.
07JAN84	0	.	.	.	.	.	.	.	.
08JAN84	0	.	.	.	.	.	.	.	.
09JAN84	0	.	.	.	.	.	.	.	.
10JAN84	0	.	.	.	.	.	.	.	.
11JAN84	0	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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- REPORT YEAR=1984 MONTH=JANUARY STATION LOCATION=C-BOX ELDER GULCH - WEST -

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
12JAN84	0	.	.	.	.	.	.	.	.
13JAN84	0	.	.	.	.	.	.	.	.
14JAN84	0	.	.	.	.	.	.	.	.
15JAN84	0	.	.	.	.	.	.	.	.
16JAN84	0	.	.	.	.	.	.	.	.
17JAN84	0	.	.	.	.	.	.	.	.
18JAN84	0	.	.	.	.	.	.	.	.
19JAN84	0	.	.	.	.	.	.	.	.
20JAN84	0	.	.	.	.	.	.	.	.
21JAN84	0	.	.	.	.	.	.	.	.
22JAN84	0	.	.	.	.	.	.	.	.
23JAN84	0	.	.	.	.	.	.	.	.
24JAN84	0	.	.	.	.	.	.	.	.
25JAN84	0	.	.	.	.	.	.	.	.
26JAN84	0	.	.	.	.	.	.	.	.
27JAN84	0	.	.	.	.	.	.	.	.
28JAN84	0	.	.	.	.	.	.	.	.
29JAN84	0	.	.	.	.	.	.	.	.
30JAN84	0	.	.	.	.	.	.	.	.
31JAN84	0	.	.	.	.	.	.	.	.

-- REPORT YEAR=1984 MONTH=JANUARY STATION LOCATION=D-CORRAL GULCH - EAST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JAN84	1.6	7.7	5.3	6.0	.	.	.	.	.
02JAN84	1.6	7.1	5.1	5.7	.	.	.	.	.
03JAN84	1.6	7.3	5.2	6.0	.	.	.	.	.
04JAN84	1.6	8.4	5.6	6.4	.	.	.	.	.
05JAN84	1.6	9.5	5.7	7.0	1580	1530	1547	.	.
06JAN84	1.6	9.7	6.7	7.6	1563	1533	1551	.	.
07JAN84	1.6	9.7	6.8	7.6	1566	1536	1556	.	.
08JAN84	1.6	9.5	6.7	7.5	1569	1539	1561	.	.
09JAN84	1.6	9.5	6.5	7.4	1573	1543	1561	.	.
10JAN84	1.6	8.9	6.3	7.1	1576	1546	1563	.	.
11JAN84	1.6	8.9	6.6	7.4	1569	1539	1557	.	.
12JAN84	1.6	9.2	6.8	7.6	1562	1542	1557	.	.
13JAN84	1.6	9.0	6.5	7.6	1575	1535	1554	.	.
14JAN84	1.6	9.2	6.7	7.8	1558	1518	1547	.	.
15JAN84	1.6	8.7	6.3	7.1	1571	1541	1557	.	.
16JAN84	1.7	8.6	6.2	6.9	1575	1505	1538	.	.
17JAN84	1.6	7.9	6.0	6.8	1608	1498	1547	.	.
18JAN84	1.5	7.9	5.9	6.5	1611	1581	1593	.	.
19JAN84	1.5	8.4	6.1	6.9	1604	1574	1585	.	.
20JAN84	1.5	8.6	6.0	6.8	1597	1567	1584	.	.
21JAN84	1.5	8.8	6.2	7.2	1600	1540	1561	.	.
22JAN84	1.5	9.2	6.6	7.5	1553	1523	1537	.	.

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-- REPORT YEAR=1984 MONTH=JANUARY STATION LOCATION=D-CORRAL GULCH - EAST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
23JAN84	1.5	9.4	6.5	7.7	1537	1517	1523	.	.
24JAN84	1.5	9.5	6.6	7.9	1540	1510	1522	.	.
25JAN84	1.5	10.7	6.9	8.2	1543	1513	1529	.	.
26JAN84	1.5	9.9	6.6	8.0	1536	1516	1529	.	.
27JAN84	1.5	10.2	6.4	7.6	1549	1529	1536	.	.
28JAN84	1.5	10.2	6.7	7.7	1562	1532	1543	.	.
29JAN84	1.5	10.2	6.5	7.6	1545	1535	1542	.	.
30JAN84	1.5	9.7	6.4	7.3	1549	1529	1543	.	.
31JAN84	1.5	10.1	6.3	7.4	1572	1500	1551	.	.

-- REPORT YEAR=1984 MONTH=FEBRUARY STATION LOCATION=B-CORRAL GULCH - WEST -

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01FEB84	0.57	3.3	0.0	0.8	1420	1280	1364	.	.
02FEB84	0.49	2.1	0.0	0.3	1410	1290	1368	.	.
03FEB84	0.53	2.7	0.0	0.7	1390	1300	1357	.	.
04FEB84	0.53	3.1	0.0	0.9	1380	1300	1353	.	.
05FEB84	0.52	3.1	0.0	0.7	1390	1290	1358	.	.
06FEB84	0.52	3.0	0.0	0.6	1400	1280	1361	.	.
07FEB84	0.52	3.2	0.0	1.5	1370	1310	1341	.	.
08FEB84	0.47	4.5	0.0	2.0	1370	1310	1342	.	.
09FEB84	0.42	3.3	0.0	1.5	1360	1210	1300	.	.
10FEB84	0.37	4.1	0.6	2.1	1365	1265	1324	.	.
11FEB84	0.92	3.7	0.6	1.6	1390	1290	1333	.	.
12FEB84	0.80	2.9	1.0	1.6	1405	1285	1342	.	.
13FEB84	0.37	5.4	1.3	2.9	1340	1280	1322	.	.
14FEB84	0.39	3.2	0.6	2.0	1345	1225	1308	.	.
15FEB84	0.74	.	.	.	1410	1280	1351	.	.
16FEB84	0.32	.	.	.	1415	1255	1359	.	.
17FEB84	0.35	.	.	.	1370	1270	1319	.	.
18FEB84	0.35	.	.	.	1415	1305	1367	.	.
19FEB84	0.37	.	.	.	1470	1300	1399	.	.
20FEB84	0.43	.	.	.	1465	1295	1400	.	.
21FEB84	0.42	3.2	1.0	1.6	1430	1290	1382	.	.
22FEB84	0.42	4.1	0.3	1.5	1395	1335	1373	.	.
23FEB84	0.43	3.1	0.6	1.4	1460	1320	1393	.	.
24FEB84	0.42	4.1	0.8	1.9	1425	1325	1379	.	.
25FEB84	0.43	3.1	0.4	1.6	1410	1350	1382	.	.
26FEB84	0.44	3.5	0.5	1.8	1425	1365	1394	.	.
27FEB84	1.00	3.2	0.6	1.5	1460	1320	1404	.	.
28FEB84	0.42	4.3	0.2	1.7	1455	1335	1409	.	.
29FEB84	0.43	5.3	0.1	2.1	1443	1353	1408	.	.

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REPORT YEAR=1984 MONTH=FEBRUARY STATION LOCATION=C-BOX ELDER GULCH - WEST -

DATE	GM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01FEB84	0	.	.	.	.	.	.	.	.
02FEB84	0	.	.	.	.	.	.	.	.
03FEB84	0	.	.	.	.	.	.	.	.
04FEB84	0	.	.	.	.	.	.	.	.
05FEB84	0	.	.	.	.	.	.	.	.
06FEB84	0	.	.	.	.	.	.	.	.
07FEB84	0	.	.	.	.	.	.	.	.
08FEB84	0	.	.	.	.	.	.	.	.
09FEB84	0	.	.	.	.	.	.	.	.
10FEB84	0	.	.	.	.	.	.	.	.
11FEB84	0	.	.	.	.	.	.	.	.
12FEB84	0	.	.	.	.	.	.	.	.
13FEB84	0	.	.	.	.	.	.	.	.
14FEB84	0	.	.	.	.	.	.	.	.
15FEB84	0	.	.	.	.	.	.	.	.
16FEB84	0	.	.	.	.	.	.	.	.
17FEB84	0	.	.	.	.	.	.	.	.
18FEB84	0	.	.	.	.	.	.	.	.
19FEB84	0	.	.	.	.	.	.	.	.
20FEB84	0	.	.	.	.	.	.	.	.
21FEB84	0	.	.	.	.	.	.	.	.
22FEB84	0	.	.	.	.	.	.	.	.
23FEB84	0	.	.	.	.	.	.	.	.
24FEB84	0	.	.	.	.	.	.	.	.
25FEB84	0	.	.	.	.	.	.	.	.
26FEB84	0	.	.	.	.	.	.	.	.
27FEB84	0	.	.	.	.	.	.	.	.
28FEB84	0	.	.	.	.	.	.	.	.
29FEB84	0	.	.	.	.	.	.	.	.

-- REPORT YEAR=1984 MONTH=FEBRUARY STATION LOCATION=D-CORRAL GULCH - EAST --

DATE	GM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01FEB84	1.5	10.2	6.7	7.7	1575	1535	1554	.	.
02FEB84	1.5	10.0	6.5	7.4	1578	1548	1560	.	.
03FEB84	1.5	10.1	6.4	7.5	1581	1551	1565	.	.
04FEB84	1.5	10.4	6.3	7.5	1574	1544	1563	.	.
05FEB84	1.5	10.4	6.3	7.5	1577	1537	1558	.	.
06FEB84	1.5	10.6	6.3	7.7	1571	1541	1559	.	.
07FEB84	1.5	9.8	6.8	8.0	1574	1544	1552	.	.
08FEB84	1.5	10.6	7.0	8.3	1557	1527	1543	.	.
09FEB84	1.5	10.9	6.7	7.9	1560	1500	1539	.	.
10FEB84	1.5	10.7	6.4	7.8	1560	1520	1546	.	.
11FEB84	1.5	9.7	5.9	7.4	1580	1520	1552	.	.
12FEB84	1.4	10.4	5.9	7.5	1575	1515	1550	.	.
13FEB84	1.4	11.5	7.1	8.7	1545	1505	1520	.	.

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-- REPORT YEAR=1984 MONTH=FEBRUARY STATION LOCATION=D-CORRAL GULCH - EAST -

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
14FEB84	1.5	9.2	6.6	7.8	1520	1560	1508	.	.
15FEB84	1.5	10.7	6.3	7.7	1550	1510	1533	.	.
16FEB84	1.4	11.2	6.4	7.9	1550	1510	1526	.	.
17FEB84	1.4	8.3	6.6	7.4	1540	1490	1507	.	.
18FEB84	1.4	10.1	6.4	7.6	1505	1465	1485	.	.
19FEB84	1.4	9.7	6.0	7.1	1495	1425	1455	.	.
20FEB84	1.4	9.6	5.9	7.0	1450	1400	1429	.	.
21FEB84	1.4	10.1	6.1	7.4	1450	1400	1427	.	.
22FEB84	1.3	10.2	6.3	7.4	1470	1450	1458	.	.
23FEB84	1.3	9.7	6.0	7.2	1480	1430	1460	.	.
24FEB84	1.3	9.7	6.2	7.4	1500	1460	1480	.	.
25FEB84	1.3	9.5	6.2	7.2	1520	1490	1508	.	.
26FEB84	1.3	9.6	5.9	7.2	1530	1500	1520	.	.
27FEB84	1.3	10.2	5.9	7.1	1540	1490	1522	.	.
28FEB84	1.4	10.9	6.0	7.5	1540	1500	1530	.	.
29FEB84	1.4	11.4	6.3	7.8	1550	1500	1528	.	.

--- REPORT YEAR=1984 MONTH=MARCH STATION LOCATION=B-CORRAL GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01MAR84	0.44	6.1	0.5	2.9	1428	1358	1395	.	.
02MAR84	0.45	7.0	0.6	3.1	1434	1344	1400	.	.
03MAR84	0.44	5.9	0.5	2.2	1429	1369	1406	.	.
04MAR84	0.63	.	.	.	1494	1344	1414	.	.
05MAR84	0.53	.	.	.	1504	1374	1430	.	.
06MAR84	0.50	.	.	.	1489	1379	1441	.	.
07MAR84	0.47	.	.	.	1474	1374	1438	.	.
08MAR84	0.52	.	.	.	1579	1349	1438	.	.
09MAR84	0.44	.	.	.	1465	1385	1430	.	.
10MAR84	0.50	.	.	.	1480	1410	1449	.	.
11MAR84	0.45	.	.	.	1485	1415	1455	.	.
12MAR84	0.53	.	.	.	1500	1430	1464	.	.
13MAR84	0.54	.	.	.	1350	1250	1348	.	.
14MAR84	0.51	.	.	.	1363	1213	1308	.	.
15MAR84	0.55	.	.	.	1376	1296	1354	.	.
16MAR84	0.71	.	.	.	1399	1249	1359	.	.
17MAR84	0.66	.	.	.	1441	1321	1392	.	.
18MAR84	0.61	.	.	.	1424	1364	1395	.	.
19MAR84	0.69	.	.	.	1527	1307	1418	.	.
20MAR84	0.75	13.4	1.4	7.2	1430	1350	1389	.	.
21MAR84	0.74	15.3	0.0	5.3	1419	1289	1368	.	.
22MAR84	0.80	8.1	0.1	3.3	1409	1339	1385	.	.
23MAR84	0.82	10.9	1.7	4.9	1408	1348	1391	.	.
24MAR84	0.85	13.3	0.3	5.7	1408	1368	1392	.	.
25MAR84	0.91	11.5	0.1	4.6	1487	1287	1394	.	.
26MAR84	0.97	8.6	1.1	4.3	1416	1286	1384	.	.

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--- REPORT YEAR=1984 MONTH=MARCH STATION LOCATION=B-CORRAL GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
27MAR84	0.99	8.6	0.1	3.5	1386	1356	1373	.	.
28MAR84	0.97	12.4	0.2	4.5	1395	1335	1372	.	.
29MAR84	1.00	10.8	2.2	5.3	1384	1314	1357	.	.
30MAR84	1.10	8.0	0.9	4.5	1394	1324	1370	.	.
31MAR84	1.10	12.2	2.6	5.8	1383	1283	1332	.	.

-- REPORT YEAR=1984 MONTH=MARCH STATION LOCATION=C-BOX ELDER GULCH - WEST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01MAR84	0	.	.	.	.	.	.	.	.
02MAR84	0	.	.	.	.	.	.	.	.
03MAR84	0	.	.	.	.	.	.	.	.
04MAR84	0	.	.	.	.	.	.	.	.
05MAR84	0	.	.	.	.	.	.	.	.
06MAR84	0	.	.	.	.	.	.	.	.
07MAR84	0	.	.	.	.	.	.	.	.
08MAR84	0	.	.	.	.	.	.	.	.
09MAR84	0	.	.	.	.	.	.	.	.
10MAR84	0	.	.	.	.	.	.	.	.
11MAR84	0	.	.	.	.	.	.	.	.
12MAR84	0	.	.	.	.	.	.	.	.
13MAR84	0	.	.	.	.	.	.	.	.
14MAR84	0	.	.	.	.	.	.	.	.
15MAR84	0	.	.	.	.	.	.	.	.
16MAR84	0	.	.	.	.	.	.	.	.
17MAR84	0	.	.	.	.	.	.	.	.
18MAR84	0	.	.	.	.	.	.	.	.
19MAR84	0	.	.	.	.	.	.	.	.
20MAR84	0	.	.	.	.	.	.	.	.
21MAR84	0	.	.	.	.	.	.	.	.
22MAR84	0	.	.	.	.	.	.	.	.
23MAR84	0	.	.	.	.	.	.	.	.
24MAR84	0	.	.	.	.	.	.	.	.
25MAR84	0	.	.	.	.	.	.	.	.
26MAR84	0	.	.	.	.	.	.	.	.
27MAR84	0	.	.	.	.	.	.	.	.
28MAR84	0	.	.	.	.	.	.	.	.
29MAR84	0	.	.	.	.	.	.	.	.
30MAR84	0	.	.	.	.	.	.	.	.
31MAR84	0	.	.	.	.	.	.	.	.

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--- REPORT YEAR=1984 MONTH=MARCH STATION LOCATION=D-CORRAL GULCH - EAST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01MAR84	1.4	12.0	6.3	8.2	1550	1510	1530	.	.
02MAR84	1.3	12.0	6.5	8.4	1550	1500	1524	.	.
03MAR84	1.3	12.1	6.7	8.2	1530	1490	1520	.	.
04MAR84	1.3	10.1	6.2	7.3	1540	1510	1525	.	.
05MAR84	1.3	9.9	6.0	7.1	1550	1480	1521	.	.
06MAR84	1.3	11.5	6.4	7.8	1530	1490	1516	.	.
07MAR84	1.3	12.2	6.4	8.1	1530	1490	1509	.	.
08MAR84	1.3	12.8	6.5	8.5	1530	1480	1506	.	.
09MAR84	1.3	12.4	7.0	8.6	1520	1490	1508	.	.
10MAR84	1.3	12.9	7.0	9.0	1520	1480	1504	.	.
11MAR84	1.2	12.9	7.3	9.1	1520	1490	1505	.	.
12MAR84	1.2	10.9	7.2	8.8	1530	1480	1498	.	.
13MAR84	1.3	13.5	7.3	9.3	1520	1420	1490	.	.
14MAR84	1.4	11.2	7.0	8.7	1540	1430	1498	.	.
15MAR84	1.5	13.3	7.8	9.7	1520	1460	1499	.	.
16MAR84	1.5	12.4	6.6	9.2	1520	1400	1492	.	.
17MAR84	1.5	12.0	7.5	9.0	1530	1480	1513	.	.
18MAR84	1.3	10.0	7.4	8.5	1530	1500	1520	.	.
19MAR84	1.5	13.6	7.2	9.3	1540	1490	1523	.	.
20MAR84	1.4	14.5	7.5	10.3	1540	1430	1509	.	.
21MAR84	1.6	14.8	6.9	9.7	1537	1357	1473	.	.
22MAR84	1.6	11.5	7.2	9.0	1544	1504	1527	.	.
23MAR84	1.6	13.6	8.1	9.9	1561	1511	1538	.	.
24MAR84	1.7	14.8	7.7	10.2	1568	1468	1534	.	.
25MAR84	1.7	12.9	7.1	9.3	1575	1525	1560	.	.
26MAR84	1.7	11.3	7.0	9.1	1592	1512	1569	.	.
27MAR84	1.7	12.8	7.4	9.1	1599	1569	1587	.	.
28MAR84	1.8	12.9	7.7	9.4	1616	1586	1600	.	.
29MAR84	1.8	11.9	8.3	9.6	1613	1593	1607	.	.
30MAR84	1.9	10.7	7.8	9.2	1620	1590	1606	.	.
31MAR84	2.0	13.6	8.4	9.8	1627	1597	1610	.	.

--- REPORT YEAR=1984 MONTH=APRIL STATION LOCATION=B-CORRAL GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01APR84	1.1	10.0	1.8	4.7	1323	1243	1292	.	.
02APR84	1.1	10.7	1.6	4.9	1402	1272	1354	.	.
03APR84	1.1	13.4	1.3	5.6	1421	1351	1391	.	.
04APR84	1.2	14.8	0.1	6.2	1421	1371	1398	.	.
05APR84	1.2	16.0	2.2	7.0	1410	1320	1378	.	.
06APR84	1.2	15.2	3.4	7.3	1390	1330	1367	.	.
07APR84	1.3	16.1	2.8	7.2	1400	1330	1368	.	.
08APR84	1.3	17.7	1.8	7.7	1400	1310	1373	.	.
09APR84	1.4	10.0	1.0	5.4	1400	1250	1365	.	.
10APR84	1.4	15.3	0.7	5.7	1410	1290	1369	.	.
11APR84	1.4	12.5	1.0	5.1	1410	1350	1384	.	.

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--- REPORT YEAR=1984 MONTH=APRIL STATION LOCATION=B-CORRAL GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
12APR84	1.5	14.0	0.2	5.3	1420	1360	1389	.	.
13APR84	1.5	16.9	1.7	7.0	1400	1360	1388	.	.
14APR84	1.4	18.0	0.5	6.8	1410	1360	1391	.	.
15APR84	1.5	18.9	1.1	7.6	1410	1360	1388	.	.
16APR84	1.5	20.5	1.2	8.5	1410	1340	1383	.	.
17APR84	1.7	19.6	3.2	9.2	1420	1320	1383	.	.
18APR84	2.7	14.3	3.7	7.4	1430	1210	1317	.	.
19APR84	2.4	14.3	4.6	7.1	.	.	.	.	.
20APR84	3.3	8.7	1.0	4.8	.	.	.	.	.
21APR84	3.9	10.9	2.6	5.7	.	.	.	.	.
22APR84	4.2	11.6	2.8	6.5	.	.	.	.	.
23APR84	4.6	15.6	3.7	8.0	.	.	.	.	.
24APR84	5.0	15.7	4.8	8.1	.	.	.	.	.
25APR84	5.4	6.6	1.7	4.3	.	.	.	.	.
26APR84	5.8	10.2	2.2	6.7	1500	1250	1306	.	.
27APR84	6.4	12.1	2.3	5.7	.	.	.	.	.
28APR84	6.6	10.2	2.2	5.8	.	.	.	.	.
29APR84	6.8	11.6	3.1	6.3	.	.	.	.	.
30APR84	7.3	11.5	4.5	7.4	.	.	.	.	.

-- REPORT YEAR=1984 MONTH=APRIL STATION LOCATION=C-BOX ELDER GULCH - WEST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01APR84	0.00	.	.	.	.	.	.	.	.
02APR84	0.00	.	.	.	.	.	.	.	.
03APR84	0.00	.	.	.	.	.	.	.	.
04APR84	0.00	.	.	.	.	.	.	.	.
05APR84	0.00	.	.	.	.	.	.	.	.
06APR84	0.00	.	.	.	.	.	.	.	.
07APR84	0.00	.	.	.	.	.	.	.	.
08APR84	0.00	.	.	.	.	.	.	.	.
09APR84	0.00	.	.	.	.	.	.	.	.
10APR84	0.00	.	.	.	.	.	.	.	.
11APR84	0.00	.	.	.	.	.	.	.	.
12APR84	0.00	.	.	.	.	.	.	.	.
13APR84	0.00	.	.	.	.	.	.	.	.
14APR84	0.00	.	.	.	.	.	.	.	.
15APR84	0.17	4.3	1.0	2.5	1260	590	1092	.	.
16APR84	1.10	6.1	1.2	4.5	1280	1260	1268	.	.
17APR84	3.40	.	.	.	.	.	.	.	.
18APR84	5.50	.	.	.	.	.	.	.	.
19APR84	7.70	.	.	.	1320	1290	1310	.	.
20APR84	8.90	7.3	2.9	4.8	.	.	.	.	.
21APR84	8.30	8.8	2.7	5.2	.	.	.	.	.
22APR84	7.50	9.7	2.0	5.8	.	.	.	.	.
23APR84	6.90	13.0	2.4	7.1	.	.	.	.	.

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-- REPORT YEAR=1984 MONTH=APRIL STATION LOCATION=C-BOX ELDER GULCH - WEST -

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
24APR84	6.9	12.6	5.0	7.6	.	.	.	.	.
25APR84	8.0	6.2	2.7	4.2	.	.	.	.	.
26APR84	8.1	7.8	1.6	4.8	1360	1330	1347	.	.
27APR84	8.4	9.5	2.5	5.0	1370	1350	1357	.	.
28APR84	8.5	8.3	2.2	5.0	1370	1350	1363	.	.
29APR84	8.7	9.7	2.9	5.6	1380	1350	1369	.	.
30APR84	9.2	9.7	2.8	6.4	1390	1350	1371	.	.

--- REPORT YEAR=1984 MONTH=APRIL STATION LOCATION=D-CORRAL GULCH - EAST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01APR84	2.1	12.9	8.1	9.7	1623	1573	1611	.	.
02APR84	2.1	11.5	8.0	9.3	1630	1600	1616	.	.
03APR84	2.1	14.5	7.9	9.8	1637	1587	1617	.	.
04APR84	2.2	15.2	7.6	10.3	1644	1554	1615	.	.
05APR84	2.3	14.9	8.0	10.5	1651	1461	1610	.	.
06APR84	2.5	14.8	8.3	10.4	1618	1408	1547	.	.
07APR84	2.4	14.9	8.4	10.4	1575	1505	1555	.	.
08APR84	2.5	15.7	8.1	10.8	1592	1522	1563	.	.
09APR84	2.6	12.4	6.8	9.1	1579	1519	1561	.	.
10APR84	2.7	15.2	7.1	9.8	1586	1476	1547	.	.
11APR84	2.8	12.8	7.5	9.0	1563	1513	1534	.	.
12APR84	2.7	14.7	7.3	9.8	1580	1540	1559	.	.
13APR84	2.8	15.2	7.6	10.3	1610	1530	1555	.	.
14APR84	2.9	15.8	7.4	10.3	1580	1540	1561	.	.
15APR84	2.9	16.2	7.5	10.6	1580	1540	1563	.	.
16APR84	3.0	16.9	7.5	11.1	1590	1540	1562	.	.
17APR84	3.1	16.8	7.5	11.4	1560	1490	1533	.	.
18APR84	8.8	17.5	7.0	10.7	1500	1240	1330	.	.
19APR84	12.0	15.1	6.0	8.6	1410	1220	1328	.	.
20APR84	11.0	9.9	2.2	5.7	1420	1270	1336	.	.
21APR84	11.0	10.5	3.1	6.3	1400	1350	1376	.	.
22APR84	11.0	13.9	2.6	7.2	1420	1180	1342	.	.
23APR84	10.0	16.7	3.6	9.2	1420	1370	1401	.	.
24APR84	9.7	14.7	5.4	9.2	1440	1390	1411	.	.
25APR84	11.0	7.7	2.9	4.8	1450	1360	1401	.	.
26APR84	11.0	11.6	2.4	5.7	1520	1430	1451	.	.
27APR84	11.0	15.3	1.9	6.6	1400	1340	1370	.	.
28APR84	11.0	10.9	2.1	6.1	1415	1345	1381	.	.
29APR84	11.0	13.4	2.7	7.2	1411	1371	1390	.	.
30APR84	11.0	13.6	4.8	8.7	1396	1356	1378	.	.

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---- REPORT YEAR=1984 MONTH=MAY STATION LOCATION=B-CORRAL GULCH - WEST -----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01MAY84	7.7	11.6	5.5	7.6	.	.	.	.	.
02MAY84	8.5	14.8	4.1	7.7	.	.	.	.	.
03MAY84	9.3	12.1	4.5	7.3	.	.	.	.	.
04MAY84	9.2	11.0	5.1	7.3	.	.	.	.	.
05MAY84	11.0	13.8	5.3	7.9	.	.	.	.	.
06MAY84	12.0	11.5	4.8	6.9	.	.	.	.	.
07MAY84	13.0	12.0	4.5	7.0	.	.	.	.	.
08MAY84	14.0	14.7	4.6	8.4	.	.	.	.	.
09MAY84	15.0	14.7	5.2	8.7	1460	1360	1423	.	.
10MAY84	16.0	15.3	6.0	9.4	1380	1290	1335	.	.
11MAY84	17.0	15.5	6.3	9.6	1400	1310	1376	.	.
12MAY84	21.0	15.5	6.8	9.5	.	.	.	.	.
13MAY84	25.0	14.6	6.8	9.3	.	.	.	.	.
14MAY84	30.0	13.7	6.6	9.3	.	.	.	.	.
15MAY84	34.0	12.8	6.8	8.8	1545	1505	1517	.	.
16MAY84	31.0	12.3	5.9	8.5	.	.	.	.	.
17MAY84	44.0	.	.	.	.	.	.	.	.
18MAY84	33.0	.	.	.	.	.	.	.	.
19MAY84	31.0	.	.	.	.	.	.	.	.
20MAY84	30.0	.	.	.	.	.	.	.	.
21MAY84	29.0	.	.	.	.	.	.	.	.
22MAY84	26.0	.	.	.	.	.	.	.	.
23MAY84	25.0	.	.	.	.	.	.	.	.
24MAY84	24.0	.	.	.	.	.	.	.	.
25MAY84	22.0	.	.	.	.	.	.	.	.
26MAY84	20.0	.	.	.	.	.	.	.	.
27MAY84	18.0	.	.	.	.	.	.	.	.
28MAY84	16.0	.	.	.	.	.	.	.	.
29MAY84	15.0	.	.	.	.	.	.	.	.
30MAY84	14.0	15.6	7.8	11.5	1540	1510	1526	.	.
31MAY84	14.0	13.1	7.6	9.4	1530	1480	1510	.	.

--- REPORT YEAR=1984 MONTH=MAY STATION LOCATION=C-BOX ELDER GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01MAY84	10	9.9	5.0	6.9	1410	1370	1392	.	.
02MAY84	13	11.5	4.2	6.6	1470	1390	1423	.	.
03MAY84	15	9.5	3.6	6.3	1540	1490	1520	.	.
04MAY84	17	8.8	4.5	6.5	1540	1490	1522	.	.
05MAY84	18	11.0	5.2	7.1	1520	1480	1497	.	.
06MAY84	19	8.5	5.1	6.5	1500	1460	1491	.	.
07MAY84	19	9.9	4.6	6.5	.	.	.	.	.
08MAY84	20	12.0	4.5	7.4	.	.	.	.	.
09MAY84	21	12.9	5.2	8.1	.	.	.	.	.
10MAY84	25	12.4	5.7	8.3	.	.	.	.	.
11MAY84	30	12.0	6.3	8.4	.	.	.	.	.

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--- REPORT YEAR=1984 MONTH=MAY STATION LOCATION=C-BOX ELDER GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
12MAY84	35	11.2	6.6	8.3	.	.	.	.	.
13MAY84	40	10.5	6.5	8.1	.	.	.	.	.
14MAY84	46	11.2	6.0	7.9	.	.	.	.	.
15MAY84	57	10.9	4.8	7.8	1240	1150	1188	.	.
16MAY84	64	.	.	.	1200	1100	1161	.	.
17MAY84	69	11.3	5.3	7.7	1230	1130	1168	.	.
18MAY84	63	10.2	6.4	7.8	1240	1160	1184	.	.
19MAY84	42	11.9	6.1	8.4	1230	1180	1199	.	.
20MAY84	33	12.1	6.5	8.7	1270	1190	1206	.	.
21MAY84	29	11.2	6.8	8.5	1230	1190	1202	.	.
22MAY84	27	12.8	6.6	8.8	1240	1170	1206	.	.
23MAY84	26	13.5	6.6	9.3	1240	1190	1211	.	.
24MAY84	27	12.4	7.1	8.8	1220	1180	1201	.	.
25MAY84	27	12.5	6.7	8.9	.	.	.	.	.
26MAY84	21	12.9	6.2	8.8	.	.	.	.	.
27MAY84	20	13.2	6.4	9.0	.	.	.	.	.
28MAY84	18	13.3	5.9	8.7	.	.	.	.	.
29MAY84	17	14.6	6.4	9.6	.	.	.	.	.
30MAY84	19	14.7	6.8	9.7	1260	1250	1254	.	.
31MAY84	19	12.0	7.5	9.2	1260	1240	1249	.	.

---- REPORT YEAR=1984 MONTH=MAY STATION LOCATION=D-CORRAL GULCH - EAST -----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01MAY84	13	13.4	5.6	8.7	1422	1372	1394	.	.
02MAY84	16	16.6	4.8	9.4	1487	1387	1435	.	.
03MAY84	20	16.3	3.4	8.7	1603	1433	1547	.	.
04MAY84	26	13.3	3.8	8.3	1628	1408	1549	.	.
05MAY84	27	17.2	4.8	9.1	.	.	.	.	.
06MAY84	27	13.0	4.6	7.9	1559	1469	1514	.	.
07MAY84	28	15.4	3.7	8.0	1595	1475	1537	.	.
08MAY84	28	17.6	3.4	9.6	1570	1290	1491	.	.
09MAY84	29	17.5	4.8	10.0	1590	1410	1506	.	.
10MAY84	31	18.8	5.0	10.5	.	.	.	.	.
11MAY84	36	21.5	5.1	11.4	.	.	.	.	.
12MAY84	38	17.9	6.5	10.7	.	.	.	.	.
13MAY84	47	20.2	6.5	12.3	.	.	.	.	.
14MAY84	55	17.3	9.0	11.6	.	.	.	.	.
15MAY84	63	15.7	5.5	9.6	1400	1300	1355	.	.
16MAY84	79	17.3	5.0	10.1	1470	1330	1413	.	.
17MAY84	95	18.1	3.2	9.5	1540	1310	1450	.	.
18MAY84	78	16.7	6.1	9.6	1600	1400	1475	.	.
19MAY84	61	19.2	4.8	10.8	1610	1460	1525	.	.
20MAY84	57	18.2	5.7	11.0	1530	1420	1484	.	.
21MAY84	61	17.9	6.6	10.8	1520	1420	1479	.	.
22MAY84	63	19.8	6.3	11.1	1560	1390	1481	.	.

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---- REPORT YEAR=1984 MONTH=MAY STATION LOCATION=D-CORRAL GULCH - EAST -----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
23MAY84	59	20.3	5.4	12.2	1500	1070	1436	.	.
24MAY84	46	18.9	6.3	10.6	1480	1400	1437	.	.
25MAY84	42	18.4	5.6	10.9	1500	1380	1440	.	.
26MAY84	34	18.0	4.9	11.0	1480	1360	1419	.	.
27MAY84	32	16.4	5.0	11.3	1470	1410	1441	.	.
28MAY84	31	14.2	5.0	10.2	.	.	.	.	.
29MAY84	28	15.3	7.2	10.9	.	.	.	.	.
30MAY84	20	19.5	5.4	11.9	1470	1390	1420	.	.
31MAY84	24	.	.	.	1460	1350	1430	.	.

---- REPORT YEAR=1984 MONTH=JUNE STATION LOCATION=B-CORRAL GULCH - WEST ----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JUN84	14.0	13.2	7.5	9.6	1500	1430	1458	.	.
02JUN84	14.0	15.7	6.4	9.9	1440	1390	1419	.	.
03JUN84	13.0	15.1	6.8	9.6	1430	1360	1411	.	.
04JUN84	13.0	14.4	6.0	9.3	1430	1360	1399	.	.
05JUN84	14.0	10.6	7.0	8.0	.	.	.	.	.
06JUN84	14.0	9.8	6.1	7.5	.	.	.	.	.
07JUN84	14.0	14.3	3.2	8.0	.	.	.	.	.
08JUN84	13.0	8.2	5.5	6.7	.	.	.	.	.
09JUN84	13.0	14.1	5.8	8.8	.	.	.	.	.
10JUN84	14.0	15.4	5.7	9.3	.	.	.	.	.
11JUN84	13.0	15.4	5.8	9.5	.	.	.	.	.
12JUN84	13.0	15.8	6.5	10.0	1490	1390	1409	.	.
13JUN84	14.0	15.4	6.9	10.2	1410	1360	1385	.	.
14JUN84	14.0	16.1	7.1	10.6	1380	1340	1357	.	.
15JUN84	14.0	14.0	7.5	10.3	1410	1360	1390	.	.
16JUN84	13.0	13.9	7.6	9.8	1460	1400	1426	.	.
17JUN84	13.0	16.2	6.9	10.4	1490	1430	1463	.	.
18JUN84	12.0	13.9	6.9	9.6	1520	1450	1492	.	.
19JUN84	12.0	16.7	7.0	10.7	1530	1480	1515	.	.
20JUN84	12.0	16.6	7.8	10.8	1540	1500	1519	.	.
21JUN84	11.0	16.9	7.0	10.7	1560	1500	1545	.	.
22JUN84	11.0	17.4	6.4	10.8	1570	1530	1555	.	.
23JUN84	10.0	17.7	6.5	10.8	1580	1540	1563	.	.
24JUN84	9.7	18.1	7.0	11.5	1580	1550	1564	.	.
25JUN84	9.1	14.7	8.2	10.3	1570	1550	1564	.	.
26JUN84	8.8	18.7	7.9	11.5	1580	1550	1562	.	.
27JUN84	8.5	18.4	7.5	11.7	1570	1540	1561	.	.
28JUN84	8.0	19.4	7.5	12.1	1570	1540	1555	.	.
29JUN84	7.4	19.6	7.9	12.2	1560	1520	1548	.	.
30JUN84	7.2	12.7	8.4	10.2	1560	1531	1543	.	.

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-- REPORT YEAR=1984 MONTH=JUNE STATION LOCATION=C-BOX ELDER GULCH - WEST --

DATE	GM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JUN84	18.0	11.9	7.4	9.3	1260	1240	1252	.	.
02JUN84	18.0	15.0	6.6	9.8	1260	1250	1257	.	.
03JUN84	17.0	14.3	7.5	9.5	1270	1250	1257	.	.
04JUN84	17.0	13.5	5.4	8.9	1270	1250	1258	.	.
05JUN84	16.0	.	.	.	1270	1210	1235	.	.
06JUN84	16.0	.	.	.	.	.	.	.	.
07JUN84	15.0	.	.	.	.	.	.	.	.
08JUN84	15.0	.	.	.	.	.	.	.	.
09JUN84	14.0	.	.	.	.	.	.	.	.
10JUN84	14.0	.	.	.	.	.	.	.	.
11JUN84	13.0	.	.	.	.	.	.	.	.
12JUN84	13.0	.	.	.	.	.	.	.	.
13JUN84	13.0	.	.	.	.	.	.	.	.
14JUN84	13.0	.	.	.	.	.	.	.	.
15JUN84	13.0	.	.	.	.	.	.	.	.
16JUN84	13.0	.	.	.	.	.	.	.	.
17JUN84	13.0	.	.	.	.	.	.	.	.
18JUN84	14.0	.	.	.	.	.	.	.	.
19JUN84	15.0	17.1	9.1	13.5	1240	1200	1209	.	.
20JUN84	15.0	16.5	8.2	11.2	1220	1180	1209	.	.
21JUN84	16.0	17.3	7.3	11.1	1220	1190	1207	.	.
22JUN84	14.0	17.9	6.8	11.1	1220	1200	1211	.	.
23JUN84	13.0	18.3	6.9	11.3	1220	1170	1194	.	.
24JUN84	12.0	18.9	7.3	12.0	.	.	.	.	.
25JUN84	10.0	14.9	9.4	11.1	.	.	.	.	.
26JUN84	9.5	19.2	8.5	12.3	.	.	.	.	.
27JUN84	8.5	19.2	7.9	12.5	.	.	.	.	.
28JUN84	7.4	20.5	8.2	13.1	.	.	.	.	.
29JUN84	6.4	20.0	8.5	13.3	.	.	.	.	.
30JUN84	5.4	13.8	9.2	11.2	.	.	.	.	.

---- REPORT YEAR=1984 MONTH=JUNE STATION LOCATION=D-CORRAL GULCH - EAST ---

DATE	GM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JUN84	19	.	.	.	1500	1410	1442	.	.
02JUN84	17	.	.	.	.	.	.	.	.
03JUN84	17	.	.	.	.	.	.	.	.
04JUN84	14	.	.	.	.	.	.	.	.
05JUN84	14	13.6	7.5	9.4	1460	1360	1406	.	.
06JUN84	14	13.3	5.0	8.2	1440	1380	1414	.	.
07JUN84	14	.	.	.	.	.	.	.	.
08JUN84	14	.	.	.	.	.	.	.	.
09JUN84	15	.	.	.	.	.	.	.	.
10JUN84	16	.	.	.	.	.	.	.	.
11JUN84	20	.	.	.	.	.	.	.	.
12JUN84	22	20.2	8.8	15.8	1440	1360	1411	.	.

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---- REPORT YEAR=1984 MONTH=JUNE STATION LOCATION=D-CORRAL GULCH - EAST ----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
13JUN84	21	19.3	6.5	12.3	1440	1350	1389	.	.
14JUN84	21	20.5	6.8	12.9	1420	1360	1393	.	.
15JUN84	20	18.5	8.1	12.7	1450	1360	1400	.	.
16JUN84	22	18.1	8.2	11.9	1440	1380	1405	.	.
17JUN84	22	20.5	6.8	12.9	1450	1360	1406	.	.
18JUN84	20	17.5	6.7	11.6	1450	1370	1418	.	.
19JUN84	19	21.8	6.8	13.2	1480	1360	1422	.	.
20JUN84	16	20.3	8.4	13.2	1630	1540	1571	.	.
21JUN84	15	20.1	7.1	12.8	1610	1530	1554	.	.
22JUN84	13	21.4	6.3	13.0	1560	1490	1538	.	.
23JUN84	12	21.8	6.7	13.3	1560	1520	1540	.	.
24JUN84	12	21.9	7.2	14.0	1580	1500	1531	.	.
25JUN84	12	18.1	10.1	12.8	1520	1500	1511	.	.
26JUN84	12	22.3	8.6	14.2	1540	1500	1518	.	.
27JUN84	13	22.3	8.0	14.3	1530	1500	1520	.	.
28JUN84	12	23.1	8.4	14.9	1530	1500	1518	.	.
29JUN84	11	23.7	8.7	15.0	1530	1500	1514	.	.
30JUN84	11	15.5	9.8	12.3	1520	1460	1499	.	.

---- REPORT YEAR=1984 MONTH=JULY STATION LOCATION=B-CORRAL GULCH - WEST ----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JUL84	6.7	19.90	8.3	12.4	1560	1520	1538	.	.
02JUL84	6.4	20.10	7.8	12.5	1550	1510	1533	.	.
03JUL84	6.0	20.10	7.4	12.4	1640	1530	1587	.	.
04JUL84	5.7	20.10	6.9	12.2	1650	1610	1631	.	.
05JUL84	5.6	2.06	6.9	12.1	1650	1620	1637	.	.
06JUL84	5.4	21.00	7.2	12.6	1650	1620	1637	.	.
07JUL84	5.2	21.20	8.5	12.9	1660	1620	1643	.	.
08JUL84	5.1	19.50	9.4	13.2	1670	1620	1641	.	.
09JUL84	5.2	20.40	9.3	13.0	1660	1450	1621	.	.
10JUL84	5.0	20.50	8.4	13.1	1660	1560	1605	.	.
11JUL84	4.7	20.90	7.4	12.8	1610	1550	1577	.	.
12JUL84	4.6	21.10	7.8	12.9	1560	1480	1519	.	.
13JUL84	4.4	16.50	9.1	12.0	1520	1490	1503	.	.
14JUL84	4.3	17.60	9.3	12.5	1530	1490	1505	.	.
15JUL84	4.1	20.30	9.4	12.7	1530	1490	1510	.	.
16JUL84	4.0	21.30	8.1	13.2	1520	1480	1500	.	.
17JUL84	3.9	21.20	7.7	12.9	1510	1470	1490	.	.
18JUL84	3.7	21.70	7.6	13.1	1500	1450	1481	.	.
19JUL84	3.6	21.70	8.7	13.7	1500	1460	1485	.	.
20JUL84	3.7	21.30	9.0	13.3	1500	1460	1483	.	.
21JUL84	3.6	21.30	9.4	13.7	1500	1460	1480	.	.
22JUL84	3.6	18.40	9.0	12.4	1500	1450	1474	.	.
23JUL84	3.5	18.00	10.0	12.9	1500	1440	1467	.	.
24JUL84	3.4	20.30	8.9	12.6	1500	1450	1480	.	.

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---- REPORT YEAR=1984 MONTH=JULY STATION LOCATION=B-CORRAL GULCH - WEST ----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
25JUL84	3.3	21.5	8.6	13.0	1490	1450	1473	.	.
26JUL84	3.4	17.9	9.4	11.9	1480	1330	1449	.	.
27JUL84	3.3	20.9	9.1	13.3	.	.	.	.	.
28JUL84	3.2	21.4	9.2	13.7	.	.	.	.	.
29JUL84	3.1	20.9	10.1	13.7	.	.	.	.	.
30JUL84	3.2	20.0	10.3	13.4	.	.	.	.	.
31JUL84	3.1	18.9	8.9	13.1	.	.	.	.	.

-- REPORT YEAR=1984 MONTH=JULY STATION LOCATION=C-BOX ELDER GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JUL84	4.60	21.0	8.9	13.4	.	.	.	.	.
02JUL84	3.80	21.5	8.5	13.8	.	.	.	.	.
03JUL84	4.00	18.1	8.2	10.5	.	.	.	.	.
04JUL84	3.90	.	.	.	.	.	.	.	.
05JUL84	3.40	.	.	.	.	.	.	.	.
06JUL84	2.80	.	.	.	.	.	.	.	.
07JUL84	2.40	.	.	.	.	.	.	.	.
08JUL84	2.10	.	.	.	.	.	.	.	.
09JUL84	2.30	.	.	.	.	.	.	.	.
10JUL84	2.40	.	.	.	.	.	.	.	.
11JUL84	2.00	.	.	.	.	.	.	.	.
12JUL84	1.80	.	.	.	.	.	.	.	.
13JUL84	1.60	.	.	.	.	.	.	.	.
14JUL84	1.50	.	.	.	.	.	.	.	.
15JUL84	1.40	.	.	.	.	.	.	.	.
16JUL84	1.10	.	.	.	.	.	.	.	.
17JUL84	0.99	.	.	.	.	.	.	.	.
18JUL84	0.88	.	.	.	.	.	.	.	.
19JUL84	0.74	.	.	.	.	.	.	.	.
20JUL84	0.70	.	.	.	.	.	.	.	.
21JUL84	0.63	.	.	.	.	.	.	.	.
22JUL84	0.59	.	.	.	.	.	.	.	.
23JUL84	0.57	.	.	.	.	.	.	.	.
24JUL84	1.30	.	.	.	.	.	.	.	.
25JUL84	0.77	.	.	.	.	.	.	.	.
26JUL84	0.74	.	.	.	.	.	.	.	.
27JUL84	0.65	.	.	.	.	.	.	.	.
28JUL84	0.55	.	.	.	.	.	.	.	.
29JUL84	0.50	.	.	.	.	.	.	.	.
30JUL84	0.82	.	.	.	.	.	.	.	.
31JUL84	0.94	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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---- REPORT YEAR=1984 MONTH=JULY STATION LOCATION=D-CORRAL GULCH - EAST ----

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01JUL84	11.0	.	.	.	.	.	.	.	.
02JUL84	11.0	.	.	.	.	.	.	.	.
03JUL84	11.0	22.4	11.5	17.5	1580	1480	1519	.	.
04JUL84	11.0	22.8	8.0	14.6	1550	1480	1526	.	.
05JUL84	10.0	23.3	7.9	14.7	.	.	.	.	.
06JUL84	9.4	23.1	8.0	14.8	.	.	.	.	.
07JUL84	8.6	23.5	9.9	15.2	.	.	.	.	.
08JUL84	8.4	21.6	11.2	15.3	.	.	.	.	.
09JUL84	8.7	22.1	11.2	15.1	.	.	.	.	.
10JUL84	8.8	23.0	10.0	15.8	1540	1460	1496	.	.
11JUL84	7.5	21.4	9.0	15.0	.	.	.	.	.
12JUL84	6.9	21.7	9.1	15.0	1510	1450	1487	.	.
13JUL84	6.6	18.7	11.4	14.3	.	.	.	.	.
14JUL84	6.4	19.3	11.3	14.9	.	.	.	.	.
15JUL84	6.1	19.4	11.6	14.7	.	.	.	.	.
16JUL84	6.0	19.2	10.0	14.4	.	.	.	.	.
17JUL84	6.1	18.8	10.2	14.4	.	.	.	.	.
18JUL84	6.1	18.4	10.7	14.5	.	.	.	.	.
19JUL84	6.0	18.9	11.2	14.6	.	.	.	.	.
20JUL84	5.9	18.2	11.6	14.5	.	.	.	.	.
21JUL84	5.9	18.4	12.2	14.7	.	.	.	.	.
22JUL84	6.1	16.9	12.1	14.2	.	.	.	.	.
23JUL84	6.2	17.0	12.7	14.4	.	.	.	.	.
24JUL84	6.8	16.6	12.1	13.9	.	.	.	.	.
25JUL84	6.8	19.8	10.5	14.1	.	.	.	.	.
26JUL84	25.0	19.8	11.0	13.5	.	.	.	.	.
27JUL84	5.5	.	.	.	.	.	.	.	.
28JUL84	5.0	.	.	.	.	.	.	.	.
29JUL84	5.0	.	.	.	.	.	.	.	.
30JUL84	5.0	.	.	.	.	.	.	.	.
31JUL84	5.0	.	.	.	.	.	.	.	.

--- REPORT YEAR=1984 MONTH=AUGUST STATION LOCATION=B-CORRAL GULCH - WEST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01AUG84	3.2	.	.	.	.	.	.	.	.
02AUG84	3.4	.	.	.	.	.	.	.	.
03AUG84	2.8	.	.	.	.	.	.	.	.
04AUG84	2.6	.	.	.	.	.	.	.	.
05AUG84	2.5	.	.	.	.	.	.	.	.
06AUG84	2.4	.	.	.	.	.	.	.	.
07AUG84	2.3	.	.	.	.	.	.	.	.
08AUG84	2.2	.	.	.	.	.	.	.	.
09AUG84	2.1	.	.	.	.	.	.	.	.
10AUG84	2.2	.	.	.	.	.	.	.	.
11AUG84	2.6	.	.	.	1740	1700	1718	.	.

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DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
12AUG84	2.4	.	.	.	1740	1690	1715	.	.
13AUG84	2.5	23.4	13.4	18.3	1660	1600	1613	.	.
14AUG84	2.9	23.5	12.1	15.7	1630	1580	1606	.	.
15AUG84	2.8	18.2	11.2	14.2	1620	1590	1604	.	.
16AUG84	3.2	20.9	11.8	15.1	1610	1040	1498	.	.
17AUG84	2.9	21.8	11.6	15.8	.	.	.	.	.
18AUG84	2.7	20.6	11.8	14.8	.	.	.	.	.
19AUG84	2.8	21.7	11.2	14.6	.	.	.	.	.
20AUG84	3.1	14.1	10.6	12.8	.	.	.	.	.
21AUG84	2.7	22.6	9.6	14.2	.	.	.	.	.
22AUG84	2.4	21.1	10.5	14.7	.	.	.	.	.
23AUG84	2.4	20.8	11.2	13.9	.	.	.	.	.
24AUG84	2.1	19.3	11.5	14.5	.	.	.	.	.
25AUG84	2.1	18.2	10.6	13.3	.	.	.	.	.
26AUG84	2.0	23.0	10.0	15.0	.	.	.	.	.
27AUG84	2.0	23.4	10.2	15.2	.	.	.	.	.
28AUG84	1.8	22.8	10.8	15.7	.	.	.	.	.
29AUG84	1.7	22.0	10.4	15.4	.	.	.	.	.
30AUG84	1.7	21.8	10.2	15.3	.	.	.	.	.
31AUG84	1.7	21.2	11.3	15.4	.	.	.	.	.

- REPORT YEAR=1984 MONTH=AUGUST STATION LOCATION=C-BOX ELDER GULCH - WEST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01AUG84	0.82	.	.	.	.	.	.	.	.
02AUG84	1.10	.	.	.	.	.	.	.	.
03AUG84	0.74	.	.	.	.	.	.	.	.
04AUG84	0.60	.	.	.	.	.	.	.	.
05AUG84	0.51	.	.	.	.	.	.	.	.
06AUG84	0.47	.	.	.	.	.	.	.	.
07AUG84	0.45	.	.	.	.	.	.	.	.
08AUG84	0.38	.	.	.	.	.	.	.	.
09AUG84	0.34	.	.	.	.	.	.	.	.
10AUG84	0.31	.	.	.	.	.	.	.	.
11AUG84	0.26	.	.	.	.	.	.	.	.
12AUG84	0.22	.	.	.	.	.	.	.	.
13AUG84	0.21	.	.	.	.	.	.	.	.
14AUG84	0.17	.	.	.	.	.	.	.	.
15AUG84	0.13	.	.	.	.	.	.	.	.
16AUG84	0.13	.	.	.	.	.	.	.	.
17AUG84	0.13	.	.	.	.	.	.	.	.
18AUG84	0.13	.	.	.	.	.	.	.	.
19AUG84	0.13	.	.	.	.	.	.	.	.
20AUG84	0.56	.	.	.	.	.	.	.	.
21AUG84	0.10	.	.	.	.	.	.	.	.
22AUG84	0.02	.	.	.	.	.	.	.	.

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- REPORT YEAR=1984 MONTH=AUGUST STATION LOCATION=C-BOX ELDER GULCH - WEST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
23AUG84	0	.	.	.	.	.	.	.	.
24AUG84	0	.	.	.	.	.	.	.	.
25AUG84	0	.	.	.	.	.	.	.	.
26AUG84	0	.	.	.	.	.	.	.	.
27AUG84	0	.	.	.	.	.	.	.	.
28AUG84	0	.	.	.	.	.	.	.	.
29AUG84	0	.	.	.	.	.	.	.	.
30AUG84	0	.	.	.	.	.	.	.	.
31AUG84	0	.	.	.	.	.	.	.	.

--- REPORT YEAR=1984 MONTH=AUGUST STATION LOCATION=D-CORRAL GULCH - EAST ---

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01AUG84	5.8	.	.	.	.	.	.	.	.
02AUG84	5.8	.	.	.	.	.	.	.	.
03AUG84	4.4	.	.	.	.	.	.	.	.
04AUG84	4.1	.	.	.	.	.	.	.	.
05AUG84	4.0	.	.	.	.	.	.	.	.
06AUG84	3.9	.	.	.	.	.	.	.	.
07AUG84	3.8	.	.	.	.	.	.	.	.
08AUG84	3.6	.	.	.	.	.	.	.	.
09AUG84	3.5	.	.	.	.	.	.	.	.
10AUG84	3.6	.	.	.	.	.	.	.	.
11AUG84	3.9	.	.	.	.	.	.	.	.
12AUG84	3.7	.	.	.	.	.	.	.	.
13AUG84	3.7	21.4	12.3	16.0	1720	1690	1709	.	.
14AUG84	3.8	21.3	11.4	14.7	1703	1563	1612	.	.
15AUG84	3.5	18.3	10.6	13.6	1627	1547	1605	.	.
16AUG84	3.7	19.1	11.3	14.8	1650	1500	1600	.	.
17AUG84	3.1	22.6	11.0	15.9	1714	1164	1618	.	.
18AUG84	35.0	20.6	7.3	13.6	1727	1667	1711	.	.
19AUG84	3.0	18.0	10.5	13.0	.	.	.	.	.
20AUG84	3.5	13.9	10.5	12.6	1624	1544	1596	.	.
21AUG84	3.0	19.4	9.5	13.0	1768	1658	1742	.	.
22AUG84	2.5	19.1	11.1	14.0	1881	1831	1861	.	.
23AUG84	2.4	14.2	12.6	13.7	1894	1398	1763	.	.
24AUG84	2.3	18.1	11.8	13.9	.	.	.	.	.
25AUG84	2.1	19.2	10.1	13.4	1851	1761	1809	.	.
26AUG84	2.0	21.4	9.0	13.7	.	.	.	.	.
27AUG84	2.0	20.6	9.5	14.1	.	.	.	.	.
28AUG84	1.9	18.3	11.0	13.9	.	.	.	.	.
29AUG84	1.9	18.5	11.5	13.9	.	.	.	.	.
30AUG84	2.0	20.0	10.7	13.8	1949	1779	1870	.	.
31AUG84	2.0	18.8	10.2	13.2	1932	1712	1859	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS

- REPORT YEAR=1984 MONTH=SEPTEMBER STATION LOCATION=B-CORRAL GULCH - WEST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01SEP84	1.6	.	.	.	.	.	.	.	.
02SEP84	1.6	.	.	.	.	.	.	.	.
03SEP84	1.5	.	.	.	.	.	.	.	.
04SEP84	1.5	.	.	.	.	.	.	.	.
05SEP84	1.4	.	.	.	.	.	.	.	.
06SEP84	1.4	.	.	.	.	.	.	.	.
07SEP84	1.3	.	.	.	.	.	.	.	.
08SEP84	1.3	.	.	.	.	.	.	.	.
09SEP84	1.3	.	.	.	.	.	.	.	.
10SEP84	1.2	.	.	.	.	.	.	.	.
11SEP84	1.7	.	.	.	1630	880	1401	.	.
12SEP84	1.5	.	.	.	1640	1380	1575	.	.
13SEP84	1.5	.	.	.	1630	1560	1606	.	.
14SEP84	1.5	19.3	8.3	13.8	1630	1570	1605	.	.
15SEP84	1.4	18.6	7.5	11.2	1630	1560	1602	.	.
16SEP84	1.5	17.9	8.4	11.4	1620	1480	1563	.	.
17SEP84	1.3	19.4	7.0	11.4	1630	1580	1604	.	.
18SEP84	1.3	19.1	7.1	11.1	1630	1590	1606	.	.
19SEP84	1.3	16.8	7.7	11.0	1620	1570	1603	.	.
20SEP84	1.4	18.5	7.1	11.1	1620	1300	1559	.	.
21SEP84	1.7	16.2	5.5	9.9	1590	680	1445	.	.
22SEP84	1.3	17.5	5.6	9.8	.	.	.	.	.
23SEP84	1.3	16.6	6.5	10.3	.	.	.	.	.
24SEP84	1.3	9.4	1.7	7.1	.	.	.	.	.
25SEP84	1.3	13.8	2.1	6.6	.	.	.	.	.
26SEP84	1.3	12.8	4.0	7.4	.	.	.	.	.
27SEP84	1.3	15.8	4.7	8.7	.	.	.	.	.
28SEP84	1.3	13.5	3.4	6.8	.	.	.	.	.
29SEP84	1.3	14.0	2.2	6.5	.	.	.	.	.
30SEP84	1.3	14.9	3.1	7.4	.	.	.	.	.

REPORT YEAR=1984 MONTH=SEPTEMBER STATION LOCATION=C-BOX ELDER GULCH - WEST

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01SEP84	0.00	.	.	.	.	.	.	.	.
02SEP84	0.00	.	.	.	.	.	.	.	.
03SEP84	0.00	.	.	.	.	.	.	.	.
04SEP84	0.00	.	.	.	.	.	.	.	.
05SEP84	0.00	.	.	.	.	.	.	.	.
06SEP84	0.00	.	.	.	.	.	.	.	.
07SEP84	0.00	.	.	.	.	.	.	.	.
08SEP84	0.00	.	.	.	.	.	.	.	.
09SEP84	0.00	.	.	.	.	.	.	.	.
10SEP84	0.00	.	.	.	.	.	.	.	.
11SEP84	0.00	.	.	.	.	.	.	.	.
12SEP84	0.00	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS

REPORT YEAR=1984 MONTH=SEPTEMBER STATION LOCATION=C-BOX ELDER GULCH - WEST

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
13SEP84	0.00	.	.	.	.	.	.	.	.
14SEP84	0.00	.	.	.	.	.	.	.	.
15SEP84	0.00	.	.	.	.	.	.	.	.
16SEP84	0.00	.	.	.	.	.	.	.	.
17SEP84	0.00	.	.	.	.	.	.	.	.
18SEP84	0.00	.	.	.	.	.	.	.	.
19SEP84	0.00	.	.	.	.	.	.	.	.
20SEP84	0.00	.	.	.	.	.	.	.	.
21SEP84	0.19	.	.	.	.	.	.	.	.
22SEP84	0.02	.	.	.	.	.	.	.	.
23SEP84	0.00	.	.	.	.	.	.	.	.
24SEP84	0.00	.	.	.	.	.	.	.	.
25SEP84	0.00	.	.	.	.	.	.	.	.
26SEP84	0.00	.	.	.	.	.	.	.	.
27SEP84	0.00	.	.	.	.	.	.	.	.
28SEP84	0.00	.	.	.	.	.	.	.	.
29SEP84	0.00	.	.	.	.	.	.	.	.
30SEP84	0.00	.	.	.	.	.	.	.	.

- REPORT YEAR=1984 MONTH=SEPTEMBER STATION LOCATION=D-CORRAL GULCH - EAST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
01SEP84	2.1	17.5	10.2	12.7	1906	1626	1793	.	.
02SEP84	2.1	18.5	8.7	12.2	1929	1709	1829	.	.
03SEP84	2.1	17.7	8.9	12.2	1942	1692	1804	.	.
04SEP84	2.1	17.8	9.0	12.4	1946	1706	1798	.	.
05SEP84	2.0	18.1	9.5	12.5	1899	1709	1799	.	.
06SEP84	2.0	17.0	9.9	12.3	1943	1723	1816	.	.
07SEP84	2.0	15.7	9.7	11.5	1906	1726	1811	.	.
08SEP84	2.0	16.4	8.6	11.5	1880	1670	1760	.	.
09SEP84	1.9	16.9	9.4	12.1	1863	1653	1751	.	.
10SEP84	1.8	16.8	9.6	12.1	1887	1677	1750	.	.
11SEP84	2.0	16.1	10.0	11.8	1870	1710	1774	.	.
12SEP84	1.8	17.3	9.3	12.6	.	.	.	.	.
13SEP84	1.4	18.3	10.4	13.1	.	.	.	.	.
14SEP84	1.5	18.2	9.5	12.3	1730	1540	1636	.	.
15SEP84	1.5	18.2	9.2	12.2	1870	1630	1783	.	.
16SEP84	1.5	17.9	9.9	12.2	1870	1580	1764	.	.
17SEP84	1.6	.	.	.	1850	1600	1768	.	.
18SEP84	1.4	.	.	.	1820	1630	1739	.	.
19SEP84	1.3	17.8	9.3	12.1	1730	1610	1682	.	.
20SEP84	1.3	18.7	8.8	12.3	1760	1630	1698	.	.
21SEP84	3.1	17.9	9.5	11.8	1760	1670	1701	.	.
22SEP84	1.7	.	.	.	.	.	.	.	.
23SEP84	1.7	.	.	.	.	.	.	.	.
24SEP84	1.7	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATION DATA
FIELD WATER QUALITY (FWQ) MEASUREMENTS

- REPORT YEAR=1984 MONTH=SEPTEMBER STATION LOCATION=D-CORRAL GULCH - EAST --

DATE	QM	THI	TLOW	TM	CHI	CLOW	CM	SSM	SLM
25SEP84	1.8	.	.	.	.	.	.	.	.
26SEP84	1.7	16.3	8.8	11.4	1750	1680	1721	.	.
27SEP84	1.5	16.0	7.8	10.8	1740	1670	1693	.	.
28SEP84	1.5	14.8	6.9	9.7	1760	1680	1714	.	.
29SEP84	1.5	14.8	6.7	9.6	1750	1680	1703	.	.
30SEP84	1.4	15.1	6.9	10.0	1720	1680	1703	.	.

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATIONS
WATER CHEMISTRY DATA

SAMPLE MONTH=SEPTEMBER REPORT YEAR=1984 STATION LOCATION=B-CORRAL GULCH - WEST

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RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATIONS
WATER CHEMISTRY DATA

SAMPLE MONTH=MAY REPORT YEAR=1984 STATION LOCATION=C-BDX ELDER GULCH - WEST

OBS	DATE	FLOW	TURBIDITY	TUROBL	TUROBL	SPCOND	BOD	COD	PO4	HARDCA	ALK	CACO3	CACO3	HARDNS	NITRO3	NITRO3	TOTKJL	TOTKJL	TOTNIT	TOTNIT	OILGRS	PHENOL	TDSDRY	SUSSOL	SUSSOL	DOCARB	DOCARB	TOTPHS	TOTPHS	NITRAT	NITRAT	CHLORA	MAGNES
3	22MAY84	35	.	.	.	1180	9	.	.	8.1	.	297	.	.	.	.	.	5.6	.	0.9	.	.	.	1	.	.	4.6	.	.	.	0.03	0.02	.	15	.	.	.	.	570	280	120	66

OBS	NA	SAR	PERNA	PERNA	CL	SO4	F	SIO2	ALKPHA	ALKBIC	ALKBIC	CACO3	CACO3	CACO3	CACO3	FERDIS	PHOS	MANDIS	MANDIS	NAPER	NAPER	ZINDIS	SALCAL	AGDIS	GLDIS	SELDIS	TOTHG	ZNDIS	ORGCAR	ORGCAR	TOTPHS	TOTPHS	PHENOL	TDSDRY	TDSSUM	HARDNS	NITRO3	NITRO3	NITRO2	BORON	HARDNS	SULFAT
3	75	1.5	22	.	1.3	17	340	0.2	23	5	.	.	.	80	.	.	.	.	.	.	30	.	.	6	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	853	843	0.1	.	.	.	1400

SAMPLE MONTH=MAY REPORT YEAR=1984 STATION LOCATION=D-CORRAL GULCH - EAST

OBS	DATE	FLOW	TURBIDITY	TUROBL	TUROBL	SPCOND	BOD	COD	PO4	HARDCA	ALK	CACO3	CACO3	HARDNS	NITRO3	NITRO3	TOTKJL	TOTKJL	TOTNIT	TOTNIT	OILGRS	PHENOL	TDSDRY	SUSSOL	SUSSOL	DOCARB	DOCARB	TOTPHS	TOTPHS	NITRAT	NITRAT	CHLORA	MAGNES
4	22MAY84	65	.	.	.	1430	7.2	.	.	8.1	.	319	.	.	.	.	.	6.6	.	0.99	.	.	.	1.1	.	.	5.5	.	.	.	0.02	0.02	.	14	.	.	.	.	620	300	120	77

OBS	NA	SAR	PERNA	PERNA	CL	SO4	F	SIO2	ALKPHA	ALKBIC	ALKBIC	CACO3	CACO3	CACO3	CACO3	FERDIS	PHOS	MANDIS	MANDIS	NAPER	NAPER	ZINDIS	SALCAL	AGDIS	GLDIS	SELDIS	TOTHG	ZNDIS	ORGCAR	ORGCAR	TOTPHS	TOTPHS	PHENOL	TDSDRY	TDSSUM	HARDNS	NITRO3	NITRO3	NITRO2	BORON	HARDNS	SULFAT
4	110	2.2	28	.	3.6	20	430	0.2	23	9	75	.	.	90	.	.	9	5	.	9	40	.	.	8	39	.	.	.	.	30	13	.	.	.	.	.	.	1050	1000	0.11	.	.	0.11	.	2100

RIO BLANCO OIL SHALE COMPANY
ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
UNITED STATES GEOLOGICAL SURVEY GAUGING STATIONS
WATER CHEMISTRY DATA

SAMPLE MONTH=APRIL REPORT YEAR=1984 STATION LOCATION=D-CORRAL GULCH - EAST

O B S	DATE	FLOW	TURB	TUBE	SPCOND	BOD	COLOR	PCO2	CALK	HCO3	CO3	OILGR	TDISS	NO2NO3	KJELD	KJELD	TNO2	TOTP	ORTHO	DISS	SUSP	SCYAN	TCN	HACN
1	13APR84	1.8	7.8	1660	8.8	496	1.4	0.42	0.01	0.5	0.86	0.05	0.04	6.2	6.2	570	70	90

O B S	SAR	PERN A	SIO4	ABEI	BORON	CDRY	CUEQ	FPBN	MOLY	NAIG	ZVNN	SALE	AGIE	GLSI	STER	ZROC	TOTDISS	TOTDISS	NH3	NOX	NO2	BRG	HARD
1	82	180	3.8	41	1.5	13	470	0.6	22	4	150	10	30	7	916	1160	0.08	2900

SAMPLE MONTH=MAY REPORT YEAR=1984 STATION LOCATION=B-CORRAL GULCH - WEST

O B S	DATE	FLOW	TURB	TUBE	SPCOND	BOD	COLOR	PCO2	CALK	HCO3	CO3	OILGR	TDISS	NO2NO3	KJELD	KJELD	TNO2	TOTP	ORTHO	DISS	SUSP	SCYAN	TCN	HACN
2	22MAY84	33	8.2	1590	8.2	318	11	2.6	0.01	2.6	8.4	0.02	0.08	14	740	420	150

O B S	SAR	PERN A	SIO4	ABEI	BORON	CDRY	CUEQ	FPBN	MOLY	NAIG	ZVNN	SALE	AGIE	GLSI	STER	ZROC	TOTDISS	TOTDISS	NH3	NOX	NO2	BRG	HARD
2	87	110	2	25	1.9	21	520	0.1	23	4	100	30	9	1230	1140	0.05	2300

RIO BLANCO OIL SHALE COMPANY
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FIELD WATER QUALITY (FWQ) DATA MULTIVARIATE ANALYSIS OF VARIANCE

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: QM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=4129 MSE=16.5765

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=370.206

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	7.8735	387	1984
B	2.4428	577	1983
B	2.2861	485	1979
C	1.6297	597	1978
C D	1.0694	320	1975
D E	0.7660	420	1981
D E	0.5820	463	1982
D E	0.5811	172	1980
E	0.3792	404	1976
E	0.3160	363	1977

RIO BLANCO OIL SHALE COMPANY
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UNITED STATES GEOLOGICAL SURVEY GAUGING STATIONS
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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=4129 MSE=12.7246

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=370.206

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	11.769	485	1979
B	11.009	404	1976
C	10.463	420	1981
C			
C	10.427	320	1975
C			
C	10.209	597	1978
D	9.495	463	1982
E	8.898	333	1977
E			
E	8.434	387	1984
F	7.539	577	1983
G	5.607	172	1980

RIO BLANCO OIL SHALE COMPANY
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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=4129 MSE=22916.6

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=370.206

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1478.8	387	1984
B	1405.7	420	1981
C	1297.7	577	1983
C			
C	1297.0	172	1980
C			
C	1281.5	463	1982
D	1151.9	485	1979
D			
D	1141.4	333	1977
E	1098.0	320	1975
F	1074.9	597	1978
F			
F	1057.8	404	1976

RIO BLANCO OIL SHALE COMPANY
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UNITED STATES GEOLOGICAL SURVEY GAUGING STATIONS
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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: QM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=4129 MSE=16.5765

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=772.616

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	4.0774	371	C-BOX ELDER GULC
B	2.0646	2523	D-CORRAL GULCH -
C	0.8767	1264	B-CORRAL GULCH -

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=4129 MSE=12.7246

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=772.616

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	10.143	2523	D-CORRAL GULCH -
B	9.315	371	C-BOX ELDER GULC
C	8.601	1264	B-CORRAL GULCH -

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=4129 MSE=22916.6

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=772.616

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	1330.8	2523	D-CORRAL GULCH -
B	1131.9	1264	B-CORRAL GULCH -
C	805.5	371	C-BOX ELDER GULC

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=B-CORRAL GULCH - WEST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: GM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=1232 MSE=2.26506

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=45.9359

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	3.7778	155	1984
B	1.2083	253	1983
C	0.4116	73	1975
C			
C	0.3150	109	1982
C			
C	0.3001	180	1978
C			
C	0.2791	158	1979
C			
C	0.2456	90	1980
C			
C	0.1368	157	1976
C			
C	0.1239	82	1981
C			
C	0.0914	7	1977

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STATION LOCATION=B-CORRAL GULCH - WEST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=1232 MSE=6.44819

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=45.9359

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	13.556	82	1981
B	12.254	157	1976
C	10.195	73	1975
C			
C	9.708	180	1978
C			
C	9.232	109	1982
D	8.137	158	1979
E	6.728	253	1983
E			
E	6.710	155	1984
F	3.277	90	1980
G	2.214	7	1977

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ENVIRONMENTAL HYDROLOGY MONITORING PROGRAM
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FIELD WATER QUALITY (FWQ) DATA MULTIVARIATE ANALYSIS OF VARIANCE
STATION LOCATION=B-CORRAL GULCH - WEST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=1232 MSE=22508.3

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=45.9359

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1432.6	155	1984
B	1283.2	253	1983
C C	1154.8	90	1980
C C	1117.0	82	1981
C	1103.2	109	1982
D D	1031.2	158	1979
D D	1007.0	180	1978
E D	979.9	73	1975
E F	931.3	157	1976
F	896.7	7	1977

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STATION LOCATION=B-CORRAL GULCH - WEST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: GM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=1232 MSE=2.26506

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=288.187

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	1.4909	417	SUMMER
b	1.0524	217	SPRING
C	0.4759	402	FALL
C			
C	0.2928	228	WINTER

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STATION LOCATION=B-CORRAL GULCH - WEST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=1232 MSE=6.44819

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=288.187

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	14.442	417	SUMMER
B	7.955	217	SPRING
C	7.024	402	FALL
D	1.314	228	WINTER

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STATION LOCATION=B-CORRAL GULCH - WEST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=1232 MSE=22508.3

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=288.187

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	1216.4	228	WINTER
B	1143.0	402	FALL
B			
B	1133.5	417	SUMMER
C	1019.4	217	SPRING

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STATION LOCATION=C-BOX ELDER GULCH - WEST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: GM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=353 MSE=32.9641

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.40756

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	20.914	33	1984
B	6.894	73	1983
B			
B	1.580	63	1979
B			
B	1.547	58	1975
B			
B	1.194	87	1978
B			
B	0.670	2	1977
B			
B	0.467	31	1976
B			
B	0.447	23	1982
B			
B	0.000	1	1981

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=353 MSE=6.1152

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.40753

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	15.500	2	1977
A			
B A	13.300	1	1981
B			
B C	12.155	31	1976
B C			
B C D	11.054	63	1979
B C D			
B C D	11.005	58	1975
C D			
C D	9.526	23	1982
C D			
C D	9.253	87	1978
D			
E D	8.003	33	1984
E			
E	5.640	73	1983

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE.
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=353 MSE=29914

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=5.40753

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	8630.0	1	1981
B	1282.8	33	1984
C	856.3	73	1983
C C	758.1	63	1979
C C	754.6	23	1982
C C	751.7	58	1975
C C	658.7	31	1976
C C	641.3	87	1978
D	209.5	2	1977

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: GM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=353 MSE=32.9641

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=8.65475

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	4.7808	236	SPRING
A			
A	3.0482	126	SUMMER
A			
A	0.0640	5	WINTER
A			
A	0.0075	4	FALL

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=353 MSE=6.1152

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=8.65475

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	12.430	126	SUMMER
A			
A	11.875	4	FALL
B	7.797	236	SPRING
C	0.400	5	WINTER

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=353 MSE=29914

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=8.65475

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	2547.8	4	FALL
B	796.7	236	SPRING
B			
B	790.7	126	SUMMER
C	194.8	5	WINTER

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STATION LOCATION=D-CORRAL GULCH - EAST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: QM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=2486 MSE=17.5148

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=212.684

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	8.9010	199	1984
B	3.6558	264	1979
C	2.4697	330	1978
C			
C	2.3925	251	1983
D	1.1768	189	1975
D			
D	0.9494	82	1980
D			
D	0.9245	337	1981
D			
D	0.6792	331	1982
D			
D	0.5427	216	1976
D			
D	0.3187	324	1977

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=2486 MSE=2.25024

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=212.684

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	14.114	264	1979
B	10.735	330	1978
C	10.339	189	1975
D	9.940	216	1976
D			
E D	9.849	199	1984
E D			
E D	9.701	337	1981
E			
E	9.579	331	1982
F	9.002	324	1977
F			
F	8.910	251	1983
G	8.165	82	1980

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=2486 MSE=9741.81

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=212.684

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1547.3	199	1984
B	1454.6	337	1981
B			
B	1453.1	82	1980
B			
B	1440.7	251	1983
C	1376.9	331	1982
D	1318.1	264	1979
E	1249.9	189	1975
F	1226.2	330	1978
G	1207.0	216	1976
H	1152.5	324	1977

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STATION LOCATION=D-CORRAL GULCH - EAST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: GM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=2486 MSE=17.5148

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=626.791

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	3.4305	683	SPRING
B	2.3569	608	SUMMER
C	1.3237	671	FALL
C			
C	0.9712	561	WINTER

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STATION LOCATION=D-CORRAL GULCH - EAST

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: TM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTwISE ERROR RATE.

ALPHA=0.05 DF=2486 MSE=2.25024

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=626.791

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	13.226	608	SUMMER
B	9.968	671	FALL
B			
B	9.920	683	SPRING
C	7.284	561	WINTER

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STATION LOCATION=D-CORRAL GULCH - EAST

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CM
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=2486 MSE=9741.81

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=626.791

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEASON
A	1363.0	671	FALL
A			
A	1354.3	561	WINTER
B	1314.1	683	SPRING
C	1292.4	608	SUMMER

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SP_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=67978.5

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	1550.0	6	1984
A			
B A	1407.5	4	1979
B A			
B A	1360.0	2	1983
B A			
B A	1271.3	12	1982
B A			
B A	1188.8	4	1981
B			
B	1071.4	14	1980

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=.0613117

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	8.2000	4	1979
A			
A	8.1500	2	1983
A			
A	8.0833	6	1984
A			
A	8.0000	12	1982
A			
A	7.9500	4	1981
A			
A	7.8857	14	1980

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=8123.93

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	415.00	4	1979
A			
A	396.50	2	1983
A			
A	375.00	4	1981
A			
A	366.50	12	1982
A			
A	346.83	6	1984
A			
A	327.07	14	1980

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: DOC
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=24.6688

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	17.993	14	1980
A			
B A	12.367	6	1984
B			
B	8.525	4	1979
B			
B	8.000	2	1983
B			
B	6.300	4	1981
B			
B	5.517	12	1982

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=388.742

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	123.33	6	1984
B	92.00	2	1983
B			
B	80.75	4	1981
B			
B	78.75	12	1982
B			
B	75.25	4	1979
B			
B	70.21	14	1980

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=194.076

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	82.333	6	1984
A			
B A	72.500	4	1979
B A			
B A	72.500	2	1983
B A			
B A	63.667	12	1982
B			
B	58.500	4	1981
B			
B	53.343	14	1980

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=1124.24

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	141.00	4	1979
A			
A	132.00	2	1983
A			
A	130.83	6	1984
A			
A	130.17	12	1982
A			
A	121.00	4	1981
A			
A	96.54	14	1980

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: K
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=6.20119

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	2.8071	14	1980
A			
A	1.9333	6	1984
A			
A	1.7750	4	1981
A			
A	1.6000	2	1983
A			
A	1.4750	12	1982
A			
A	1.3250	4	1979

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UNITED STATES GEOLOGICAL SURVEY GAUGING STATIONS
WATER CHEMISTRY DATA

MULTIVARIATE ANALYSIS OF VARIANCE

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=9.21373

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	19.833	6	1984
B	11.500	2	1983
B			
B	9.150	4	1979
B			
B	8.967	12	1982
B			
B	8.600	14	1980
B			
B	8.475	4	1981

RIO BLANCO OIL SHALE COMPANY
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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=6080.26

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	485.00	6	1984
B	370.00	2	1983
B			
B	350.00	4	1979
B			
B	329.17	12	1982
B			
B	305.00	4	1981
B			
B	256.19	14	1980

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=.0436574

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING		MEAN	N	RPTYR
	A	0.62500	4	1979
	A			
B	A	0.49167	12	1982
B	A			
B	A	0.45000	2	1983
B	A			
B	A	0.42500	4	1981
B	A			
B	A	0.33571	14	1980
B				
B		0.28333	6	1984

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DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: B
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=3262.96

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=4.54054

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	RPTYR
A	142.86	14	1980
A			
A	135.83	12	1982
A			
A	132.50	4	1979
A			
A	125.00	2	1983
A			
A	118.33	6	1984
A			
A	115.00	4	1981

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SP_COND
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=67978.5

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	1395.0	26	242
A A	1188.0	10	235
B	751.7	6	240

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: PH
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=.0613117

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	8.2700	10	235
B	7.9333	6	240
B			
B	7.9038	26	242

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WATER CHEMISTRY DATA

MULTIVARIATE ANALYSIS OF VARIANCE

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ALK
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=8123.93

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	407.85	26	242
B	297.10	10	235
B			
B	239.33	6	240

RIO BLANCO OIL SHALE COMPANY
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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: DOC
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=24.6688

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	14.667	6	240
A			
A	10.704	26	242
A			
A	10.130	10	235

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=388.742

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	97.700	10	235
A			
B A	80.808	26	242
B			
B	66.333	6	240

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: MG
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=194.076

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	68.654	26	242
A			
A	64.400	10	235
B	40.800	6	240

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: NA
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=1124.24

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	147.81	26	242
B	86.40	10	235
C	50.60	6	240

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WATER CHEMISTRY DATA

MULTIVARIATE ANALYSIS OF VARIANCE

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: K
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=6.20119

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	3.7833	6	240
A			
A	1.7462	26	242
A			
A	1.6100	10	235

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WATER CHEMISTRY DATA

MULTIVARIATE ANALYSIS OF VARIANCE

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: CL
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=9.21373

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	10.750	26	242
A			
A	10.520	10	235
A			
A	9.300	6	240

RIO BLANCO OIL SHALE COMPANY
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WATER CHEMISTRY DATA

MULTIVARIATE ANALYSIS OF VARIANCE

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: SO4
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 , DF=27 MSE=6080.26

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	363.54	26	242
A			
A	329.00	10	235
B	177.45	6	240

RIO BLANCO OIL SHALE COMPANY
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UNITED STATES GEOLOGICAL SURVEY GAUGING STATIONS
WATER CHEMISTRY DATA

MULTIVARIATE ANALYSIS OF VARIANCE

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: F
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=.0436574

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	0.52308	26	242
B	0.25000	10	235
B			
B	0.21667	6	240

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GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: B
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=27 MSE=3262.96

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=9.83194

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	STAT
A	143.08	26	242
A			
A	130.00	6	240
A			
A	108.00	10	235

APPENDIX 5-3.1

1984 Retort Abandonment Program

- o On-Site Monitoring Data
- o Water Chemistry Data Listing

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=BH-14

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1	08MAR84	.	.	.	.	.	.	.	.	.	6376.9	.	.	.
2	15MAR84	.	.	.	.	.	.	.	.	.	6377.4	.	.	.
3	20MAR84	.	.	.	.	.	.	.	.	.	6378.1	.	.	.
4	28MAR84	.	.	.	.	.	.	.	.	.	6376.5	.	.	.
5	04APR84	.	.	.	.	.	.	.	.	.	6374.4	.	.	.
6	13APR84	.	.	.	.	.	.	.	.	.	6375.6	.	.	.
7	19APR84	.	.	.	.	.	.	.	.	.	6376.4	.	.	.
8	24APR84	.	.	.	.	.	.	.	.	.	6376.2	.	.	.
9	02MAY84	.	.	.	.	.	.	.	.	.	6376.6	.	.	.
10	08MAY84	.	.	.	.	.	.	.	.	.	6376.7	.	.	.
11	09MAY84	.	.	.	.	.	.	.	.	.	6376.8	.	.	.
12	10MAY84	.	.	.	.	.	.	.	.	.	6377.7	.	.	.
13	11MAY84	.	.	.	.	.	.	.	.	.	6377.9	.	.	.
14	12MAY84	.	.	.	.	.	.	.	.	.	6378.1	.	.	.
15	13MAY84	.	.	.	.	.	.	.	.	.	6378.3	.	.	.
16	14MAY84	.	.	.	.	.	.	.	.	.	6378.7	.	.	.
17	15MAY84	.	.	.	.	.	.	.	.	.	6379.2	.	.	.
18	16MAY84	.	.	.	.	.	.	.	.	.	6379.3	.	.	.
19	17MAY84	.	.	.	.	.	.	.	.	.	6379.7	.	.	.
20	18MAY84	.	.	.	.	.	.	.	.	.	6379.7	.	.	.
21	19MAY84	.	.	.	.	.	.	.	.	.	6380.0	.	.	.
22	20MAY84	.	.	.	.	.	.	.	.	.	6380.9	.	.	.
23	21MAY84	.	.	.	.	.	.	.	.	.	6381.3	.	.	.
24	22MAY84	.	.	.	.	.	.	.	.	.	6381.6	.	.	.
25	23MAY84	.	.	.	.	.	.	.	.	.	6382.1	.	.	.
26	24MAY84	.	.	.	.	.	.	.	.	.	6383.3	.	.	.
27	25MAY84	.	.	.	.	.	.	.	.	.	6384.4	.	.	.
28	26MAY84	.	.	.	.	.	.	.	.	.	6385.0	.	.	.
29	27MAY84	.	.	.	.	.	.	.	.	.	6385.4	.	.	.
30	28MAY84	.	.	.	.	.	.	.	.	.	6386.6	.	.	.
31	29MAY84	.	.	.	.	.	.	.	.	.	6388.0	.	.	.
32	30MAY84	.	.	.	.	.	.	.	.	.	6388.9	.	.	.
33	31MAY84	.	.	.	.	.	.	.	.	.	6391.0	.	.	.
34	01JUN84	.	.	.	.	.	.	.	.	.	6391.7	.	.	.
35	02JUN84	.	.	.	.	.	.	.	.	.	6394.2	.	.	.
36	03JUN84	.	.	.	.	.	.	.	.	.	6396.0	.	.	.
37	04JUN84	.	.	.	.	.	.	.	.	.	6400.8	.	.	.
38	05JUN84	.	.	.	.	.	.	.	.	.	6406.6	.	.	.
39	07JUN84	.	.	.	.	.	.	.	.	.	6411.3	.	.	.
40	08JUN84	.	.	.	.	.	.	.	.	.	6414.3	.	.	.
41	09JUN84	.	.	.	.	.	.	.	.	.	6416.6	.	.	.
42	10JUN84	.	.	.	.	.	.	.	.	.	6417.2	.	.	.
43	12JUN84	.	.	.	.	.	.	.	.	.	6442.2	.	.	.
44	13JUN84	.	.	.	.	.	.	.	.	.	6450.3	.	.	.
45	15JUN84	.	.	.	.	.	.	.	.	.	6464.3	.	.	.
46	16JUN84	.	.	.	.	.	.	.	.	.	6469.7	.	.	.
47	17JUN84	.	.	.	.	.	.	.	.	.	6476.8	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=BH-14

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
48	18JUN84	.	.	.	.	.	.	.	.	.	6483.2	.	.	.
49	19JUN84	.	.	.	.	.	.	.	.	.	6488.6	.	.	.
50	20JUN84	.	.	.	.	.	.	.	.	.	6498.2	.	.	.
51	21JUN84	.	.	.	.	.	.	.	.	.	6507.3	.	.	.
52	22JUN84	.	.	.	.	.	.	.	.	.	6523.3	.	.	.
53	23JUN84	.	.	.	.	.	.	.	.	.	6544.2	.	.	.
54	24JUN84	.	.	.	.	.	.	.	.	.	6555.6	.	.	.
55	25JUN84	.	.	.	.	.	.	.	.	.	6565.9	.	.	.
56	26JUN84	.	.	.	.	.	.	.	.	.	6572.2	.	.	.
57	27JUN84	.	.	.	.	.	.	.	.	.	6577.7	.	.	.
58	28JUN84	.	.	.	.	.	.	.	.	.	6583.6	.	.	.
59	29JUN84	.	.	.	.	.	.	.	.	.	6589.2	.	.	.
60	30JUN84	.	.	.	.	.	.	.	.	.	6593.5	.	.	.
61	01JUL84	.	.	.	.	.	.	.	.	.	6598.4	.	.	.
62	02JUL84	.	.	.	.	.	.	.	.	.	6604.2	.	.	.
63	03JUL84	.	.	.	.	.	.	.	.	.	6608.8	.	.	.
64	04JUL84	.	.	.	.	.	.	.	.	.	6612.7	.	.	.
65	05JUL84	.	.	.	.	.	.	.	.	.	6616.9	.	.	.
66	06JUL84	.	.	.	.	.	.	.	.	.	6621.9	.	.	.
67	07JUL84	.	.	.	.	.	.	.	.	.	6625.1	.	.	.
68	08JUL84	.	.	.	.	.	.	.	.	.	6626.7	.	.	.
69	09JUL84	.	.	.	.	.	.	.	.	.	6632.0	.	.	.
70	10JUL84	.	.	.	.	.	.	.	.	.	6634.8	.	.	.
71	11JUL84	.	.	.	.	.	.	.	.	.	6637.8	.	.	.
72	12JUL84	.	.	.	.	.	.	.	.	.	6640.8	.	.	.
73	13JUL84	.	.	.	.	.	.	.	.	.	6643.0	.	.	.
74	14JUL84	.	.	.	.	.	.	.	.	.	6644.7	.	.	.
75	15JUL84	.	.	.	.	.	.	.	.	.	6646.6	.	.	.
76	16JUL84	.	.	.	.	.	.	.	.	.	6649.0	.	.	.
77	19JUL84	.	.	.	.	.	.	.	.	.	6654.4	.	.	.
78	23JUL84	.	.	.	.	.	.	.	.	.	6659.6	.	.	.
79	27JUL84	.	.	.	.	.	.	.	.	.	6664.0	.	.	.
80	30JUL84	.	.	.	.	.	.	.	.	.	6665.9	.	.	.
81	02AUG84	.	.	.	.	.	.	.	.	.	6669.3	.	.	.
82	06AUG84	.	.	.	.	.	.	.	.	.	6673.0	.	.	.
83	09AUG84	.	.	.	.	.	.	.	.	.	6675.1	.	.	.
84	13AUG84	.	.	.	.	.	.	.	.	.	6677.8	.	.	.
85	16AUG84	.	.	.	.	.	.	.	.	.	6678.6	.	.	.
86	20AUG84	.	.	.	.	.	.	.	.	.	6681.9	.	.	.
87	23AUG84	.	.	.	.	.	.	.	.	.	6683.4	.	.	.
88	27AUG84	.	.	.	.	.	.	.	.	.	6684.1	.	.	.
89	31AUG84	.	.	.	.	.	.	.	.	.	6687.6	.	.	.
90	06SEP84	.	.	.	.	.	.	.	.	.	6691.2	.	.	.
91	13SEP84	.	.	.	.	.	.	.	.	.	6694.5	.	.	.
92	20SEP84	.	.	.	.	.	.	.	.	.	6697.6	.	.	.
93	27SEP84	.	.	.	.	.	.	.	.	.	6701.6	.	.	.
94	03OCT84	.	.	.	.	.	.	.	.	.	6702.0	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=BH-14

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
95	10OCT84	.	.	.	.	.	.	.	.	.	6704.3	.	.	.
96	18OCT84	.	.	.	.	.	.	.	.	.	6706.3	.	.	.
97	25OCT84	.	.	.	.	.	.	.	.	.	6707.8	.	.	.
98	01NOV84	.	.	.	.	.	.	.	.	.	6708.9	.	.	.
99	14NOV84	.	.	.	.	.	.	.	.	.	6710.8	.	.	.
100	21NOV84	.	.	.	.	.	.	.	.	.	6710.4	.	.	.
101	28NOV84	.	.	.	.	.	.	.	.	.	6712.1	.	.	.
102	05DEC84	.	.	.	.	.	.	.	.	.	6713.4	.	.	.
103	12DEC84	.	.	.	.	.	.	.	.	.	6712.5	.	.	.
104	19DEC84	.	.	.	.	.	.	.	.	.	6713.3	.	.	.
105	26DEC84	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
106	02JAN85	.	.	.	.	.	.	.	.	.	6714.1	.	.	.
107	09JAN85	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
108	16JAN85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
109	23JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
110	30JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
111	06FEB85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
112	13FEB85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
113	20MAR85	.	.	.	.	.	.	.	.	.	6717.6	.	.	.
114	28MAR85	.	.	.	.	.	.	.	.	.	6719.2	.	.	.

STATION LOCATION=BH-15

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
115	08MAR84	.	.	.	.	.	.	.	.	.	6395.4	.	.	.
116	15MAR84	.	.	.	.	.	.	.	.	.	6392.0	.	.	.
117	20MAR84	.	.	.	.	.	.	.	.	.	6391.2	.	.	.
118	28MAR84	.	.	.	.	.	.	.	.	.	6367.4	.	.	.
119	04APR84	.	.	.	.	.	.	.	.	.	6372.1	.	.	.
120	13APR84	.	.	.	.	.	.	.	.	.	6375.8	.	.	.
121	19APR84	.	.	.	.	.	.	.	.	.	6383.9	.	.	.
122	24APR84	.	.	.	.	.	.	.	.	.	6389.9	.	.	.
123	02MAY84	.	.	.	.	.	.	.	.	.	6386.6	.	.	.
124	08MAY84	.	.	.	.	.	.	.	.	.	6387.4	.	.	.
125	09MAY84	.	.	.	.	.	.	.	.	.	6390.1	.	.	.
126	10MAY84	.	.	.	.	.	.	.	.	.	6238.7	.	.	.
127	11MAY84	.	.	.	.	.	.	.	.	.	6238.6	.	.	.
128	12MAY84	.	.	.	.	.	.	.	.	.	6238.2	.	.	.
129	13MAY84	.	.	.	.	.	.	.	.	.	6238.8	.	.	.
130	14MAY84	.	.	.	.	.	.	.	.	.	6238.7	.	.	.
131	15MAY84	.	.	.	.	.	.	.	.	.	6239.1	.	.	.
132	16MAY84	.	.	.	.	.	.	.	.	.	6239.0	.	.	.
133	17MAY84	.	.	.	.	.	.	.	.	.	6239.3	.	.	.
134	18MAY84	.	.	.	.	.	.	.	.	.	6239.8	.	.	.
135	19MAY84	.	.	.	.	.	.	.	.	.	6238.9	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=BH-15

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
136	20MAY84	.	.	.	.	.	.	.	.	.	6239.1	.	.	.
137	21MAY84	.	.	.	.	.	.	.	.	.	6239.1	.	.	.
138	22MAY84	.	.	.	.	.	.	.	.	.	6239.4	.	.	.
139	23MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
140	24MAY84	.	.	.	.	.	.	.	.	.	6245.2	.	.	.
141	25MAY84	.	.	.	.	.	.	.	.	.	6254.9	.	.	.
142	26MAY84	.	.	.	.	.	.	.	.	.	6256.6	.	.	.
143	27MAY84	.	.	.	.	.	.	.	.	.	6256.5	.	.	.
144	28MAY84	.	.	.	.	.	.	.	.	.	6259.7	.	.	.
145	29MAY84	.	.	.	.	.	.	.	.	.	6259.3	.	.	.
146	30MAY84	.	.	.	.	.	.	.	.	.	6269.3	.	.	.
147	31MAY84	.	.	.	.	.	.	.	.	.	6279.9	.	.	.
148	01JUN84	.	.	.	.	.	.	.	.	.	6284.4	.	.	.
149	02JUN84	.	.	.	.	.	.	.	.	.	6288.9	.	.	.
150	03JUN84	.	.	.	.	.	.	.	.	.	6294.6	.	.	.
151	04JUN84	.	.	.	.	.	.	.	.	.	6301.5	.	.	.
152	05JUN84	.	.	.	.	.	.	.	.	.	6307.1	.	.	.
153	07JUN84	.	.	.	.	.	.	.	.	.	6337.7	.	.	.
154	08JUN84	.	.	.	.	.	.	.	.	.	6355.9	.	.	.
155	09JUN84	.	.	.	.	.	.	.	.	.	6370.8	.	.	.
156	10JUN84	.	.	.	.	.	.	.	.	.	6369.9	.	.	.
157	11JUN84	.	.	.	.	.	.	.	.	.	6400.0	.	.	.
158	12JUN84	.	.	.	.	.	.	.	.	.	6417.8	.	.	.
159	13JUN84	.	.	.	.	.	.	.	.	.	6424.7	.	.	.
160	14JUN84	2094	12.2	7.1	-1	0.6	-1	-1	-0.1	8	6440.3	.	.	.
161	15JUN84	.	.	.	.	.	.	.	.	.	6444.9	.	.	.
162	16JUN84	.	.	.	.	.	.	.	.	.	6447.9	.	.	.
163	17JUN84	.	.	.	.	.	.	.	.	.	6458.0	.	.	.
164	18JUN84	.	.	.	.	.	.	.	.	.	6466.9	.	.	.
165	19JUN84	.	.	.	.	.	.	.	.	.	6470.4	.	.	.
166	20JUN84	.	.	.	.	.	.	.	.	.	6484.8	.	.	.
167	21JUN84	.	.	.	.	.	.	.	.	.	6497.4	.	.	.
168	22JUN84	.	.	.	.	.	.	.	.	.	6516.0	.	.	.
169	23JUN84	.	.	.	.	.	.	.	.	.	6538.7	.	.	.
170	24JUN84	.	.	.	.	.	.	.	.	.	6556.4	.	.	.
171	25JUN84	.	.	.	.	.	.	.	.	.	6565.8	.	.	.
172	26JUN84	.	.	.	.	.	.	.	.	.	6573.0	.	.	.
173	27JUN84	.	.	.	.	.	.	.	.	.	6577.2	.	.	.
174	28JUN84	.	.	.	.	.	.	.	.	.	6583.0	.	.	.
175	29JUN84	.	.	.	.	.	.	.	.	.	6588.3	.	.	.
176	30JUN84	.	.	.	.	.	.	.	.	.	6592.9	.	.	.
177	01JUL84	.	.	.	.	.	.	.	.	.	6598.0	.	.	.
178	02JUL84	.	.	.	.	.	.	.	.	.	6604.2	.	.	.
179	03JUL84	.	.	.	.	.	.	.	.	.	6608.7	.	.	.
180	04JUL84	.	.	.	.	.	.	.	.	.	6612.7	.	.	.
181	05JUL84	.	.	.	.	.	.	.	.	.	6618.4	.	.	.
182	06JUL84	2039	12.5	7.3	-1	1.0	.	1	.	18	6622.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=BH-15

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
183	07JUL84	.	.	.	.	.	.	.	.	.	6625.0	.	.	.
184	08JUL84	.	.	.	.	.	.	.	.	.	6629.0	.	.	.
185	09JUL84	.	.	.	.	.	.	.	.	.	6632.2	.	.	.
186	10JUL84	.	.	.	.	.	.	.	.	.	6635.0	.	.	.
187	11JUL84	.	.	.	.	.	.	.	.	.	6638.5	.	.	.
188	12JUL84	.	.	.	.	.	.	.	.	.	6641.3	.	.	.
189	13JUL84	.	.	.	.	.	.	.	.	.	6643.2	.	.	.
190	14JUL84	.	.	.	.	.	.	.	.	.	6644.8	.	.	.
191	15JUL84	.	.	.	.	.	.	.	.	.	6647.6	.	.	.
192	16JUL84	.	.	.	.	.	.	.	.	.	6649.2	.	.	.
193	19JUL84	.	.	.	.	.	.	.	.	.	6654.7	.	.	.
194	23JUL84	.	.	.	.	.	.	.	.	.	6659.9	.	.	.
195	27JUL84	.	.	.	.	.	.	.	.	.	6664.6	.	.	.
196	30JUL84	.	.	.	.	.	.	.	.	.	6666.3	.	.	.
197	02AUG84	.	.	.	.	.	.	.	.	.	6670.0	.	.	.
198	06AUG84	.	.	.	.	.	.	.	.	.	6674.0	.	.	.
199	09AUG84	.	.	.	.	.	.	.	.	.	6676.4	.	.	.
200	13AUG84	.	.	.	.	.	.	.	.	.	6678.8	.	.	.
201	23AUG84	.	.	.	.	.	.	.	.	.	6684.1	.	.	.
202	27AUG84	.	.	.	.	.	.	.	.	.	6685.7	.	.	.
203	31AUG84	.	.	.	.	.	.	.	.	.	6688.0	.	.	.
204	06SEP84	.	.	.	.	.	.	.	.	.	6691.9	.	.	.
205	13SEP84	.	.	.	.	.	.	.	.	.	6695.2	.	.	.
206	20SEP84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
207	27SEP84	.	.	.	.	.	.	.	.	.	6700.8	.	.	.
208	030CT84	.	.	.	.	.	.	.	.	.	6702.5	.	.	.
209	100CT84	.	.	.	.	.	.	.	.	.	6704.7	.	.	.
210	180CT84	.	.	.	.	.	.	.	.	.	6706.8	.	.	.
211	250CT84	.	.	.	.	.	.	.	.	.	6708.3	.	.	.
212	01NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	.	.
213	14NOV84	.	.	.	.	.	.	.	.	.	6711.2	.	.	.
214	21NOV84	.	.	.	.	.	.	.	.	.	6710.4	.	.	.
215	28NOV84	.	.	.	.	.	.	.	.	.	6711.4	.	.	.
216	12DEC84	.	.	.	.	.	.	.	.	.	6712.8	.	.	.
217	19DEC84	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
218	26DEC84	.	.	.	.	.	.	.	.	.	6714.3	.	.	.
219	02JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
220	09JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
221	16JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
222	23JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
223	30JAN85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
224	06FEB85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
225	13FEB85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
226	20MAR85	.	.	.	.	.	.	.	.	.	6718.1	.	.	.
227	28MAR85	.	.	.	.	.	.	.	.	.	6719.7	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=CE-709U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
228	07MAR84	.	.	.	.	.	.	.	.	.	6544.3	.	.	.
229	14MAR84	.	.	.	.	.	.	.	.	.	6544.7	.	.	.
230	20MAR84	.	.	.	.	.	.	.	.	.	6545.1	.	.	.
231	28MAR84	.	.	.	.	.	.	.	.	.	6545.6	.	.	.
232	04APR84	.	.	.	.	.	.	.	.	.	6550.4	.	.	.
233	11APR84	1600	9.9	7.1	.	.	.	.	.	.	6550.5	.	.	.
234	19APR84	.	.	.	.	.	.	.	.	.	6551.4	.	.	.
235	24APR84	.	.	.	.	.	.	.	.	.	6552.1	.	.	.
236	02MAY84	.	.	.	.	.	.	.	.	.	6553.2	.	.	.
237	08MAY84	.	.	.	.	.	.	.	.	.	6554.1	.	.	.
238	09MAY84	.	.	.	.	.	.	.	.	.	6554.4	.	.	.
239	10MAY84	.	.	.	.	.	.	.	.	.	6554.7	.	.	.
240	11MAY84	.	.	.	.	.	.	.	.	.	6555.0	.	.	.
241	12MAY84	.	.	.	.	.	.	.	.	.	6554.8	.	.	.
242	13MAY84	.	.	.	.	.	.	.	.	.	6555.7	.	.	.
243	14MAY84	.	.	.	.	.	.	.	.	.	6556.1	.	.	.
244	15MAY84	.	.	.	.	.	.	.	.	.	6556.6	.	.	.
245	16MAY84	.	.	.	.	.	.	.	.	.	6556.9	.	.	.
246	17MAY84	.	.	.	.	.	.	.	.	.	6557.4	.	.	.
247	18MAY84	.	.	.	.	.	.	.	.	.	6558.0	.	.	.
248	19MAY84	.	.	.	.	.	.	.	.	.	6558.4	.	.	.
249	20MAY84	.	.	.	.	.	.	.	.	.	6559.0	.	.	.
250	21MAY84	.	.	.	.	.	.	.	.	.	6559.4	.	.	.
251	22MAY84	.	.	.	.	.	.	.	.	.	6559.8	.	.	.
252	23MAY84	.	.	.	.	.	.	.	.	.	6560.5	.	.	.
253	24MAY84	.	.	.	.	.	.	.	.	.	6560.8	.	.	.
254	25MAY84	.	.	.	.	.	.	.	.	.	6561.5	.	.	.
255	26MAY84	.	.	.	.	.	.	.	.	.	6561.1	.	.	.
256	27MAY84	.	.	.	.	.	.	.	.	.	6562.7	.	.	.
257	28MAY84	.	.	.	.	.	.	.	.	.	6563.6	.	.	.
258	29MAY84	.	.	.	.	.	.	.	.	.	6564.2	.	.	.
259	30MAY84	.	.	.	.	.	.	.	.	.	6564.9	.	.	.
260	31MAY84	.	.	.	.	.	.	.	.	.	6565.7	.	.	.
261	01JUN84	.	.	.	.	.	.	.	.	.	6565.8	.	.	.
262	02JUN84	.	.	.	.	.	.	.	.	.	6567.4	.	.	.
263	03JUN84	.	.	.	.	.	.	.	.	.	6568.4	.	.	.
264	04JUN84	.	.	.	.	.	.	.	.	.	6565.4	.	.	.
265	05JUN84	.	.	.	.	.	.	.	.	.	6569.9	.	.	.
266	07JUN84	.	.	.	.	.	.	.	.	.	6571.3	.	.	.
267	08JUN84	.	.	.	.	.	.	.	.	.	6571.8	.	.	.
268	09JUN84	.	.	.	.	.	.	.	.	.	6572.3	.	.	.
269	10JUN84	.	.	.	.	.	.	.	.	.	6571.8	.	.	.
270	11JUN84	.	.	.	.	.	.	.	.	.	6573.4	.	.	.
271	12JUN84	.	.	.	.	.	.	.	.	.	6574.4	.	.	.
272	13JUN84	.	.	.	.	.	.	.	.	.	6574.9	.	.	.
273	14JUN84	.	.	.	.	.	.	.	.	.	6575.6	.	.	.
274	15JUN84	.	.	.	.	.	.	.	.	.	6576.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=CE-709U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
275	16JUN84	.	.	.	.	.	.	.	.	.	6576.8	.	.	.
276	17JUN84	.	.	.	.	.	.	.	.	.	6577.4	.	.	.
277	18JUN84	.	.	.	.	.	.	.	.	.	6578.4	.	.	.
278	19JUN84	.	.	.	.	.	.	.	.	.	6579.3	.	.	.
279	20JUN84	.	.	.	.	.	.	.	.	.	6579.9	.	.	.
280	21JUN84	.	.	.	.	.	.	.	.	.	6581.3	.	.	.
281	22JUN84	.	.	.	.	.	.	.	.	.	6582.2	.	.	.
282	23JUN84	.	.	.	.	.	.	.	.	.	6583.8	.	.	.
283	24JUN84	.	.	.	.	.	.	.	.	.	6584.6	.	.	.
284	25JUN84	.	.	.	.	.	.	.	.	.	6590.6	.	.	.
285	26JUN84	.	.	.	.	.	.	.	.	.	6594.9	.	.	.
286	27JUN84	.	.	.	.	.	.	.	.	.	6597.8	.	.	.
287	28JUN84	.	.	.	.	.	.	.	.	.	6602.8	.	.	.
288	29JUN84	.	.	.	.	.	.	.	.	.	6606.7	.	.	.
289	30JUN84	.	.	.	.	.	.	.	.	.	6610.9	.	.	.
290	01JUL84	.	.	.	.	.	.	.	.	.	6614.9	.	.	.
291	02JUL84	.	.	.	.	.	.	.	.	.	6619.8	.	.	.
292	03JUL84	.	.	.	.	.	.	.	.	.	6623.4	.	.	.
293	04JUL84	.	.	.	.	.	.	.	.	.	6627.0	.	.	.
294	05JUL84	.	.	.	.	.	.	.	.	.	6631.3	.	.	.
295	06JUL84	.	.	.	.	.	.	.	.	.	6635.2	.	.	.
296	07JUL84	.	.	.	.	.	.	.	.	.	6636.5	.	.	.
297	08JUL84	.	.	.	.	.	.	.	.	.	6641.5	.	.	.
298	09JUL84	.	.	.	.	.	.	.	.	.	6644.4	.	.	.
299	10JUL84	.	.	.	.	.	.	.	.	.	6647.0	.	.	.
300	11JUL84	.	.	.	.	.	.	.	.	.	6649.8	.	.	.
301	12JUL84	.	.	.	.	.	.	.	.	.	6652.0	.	.	.
302	13JUL84	.	.	.	.	.	.	.	.	.	6654.0	.	.	.
303	15JUL84	.	.	.	.	.	.	.	.	.	6657.4	.	.	.
304	16JUL84	.	.	.	.	.	.	.	.	.	6659.4	.	.	.
305	19JUL84	.	.	.	.	.	.	.	.	.	6663.3	.	.	.
306	23JUL84	.	.	.	.	.	.	.	.	.	6667.1	.	.	.
307	27JUL84	.	.	.	.	.	.	.	.	.	6671.1	.	.	.
308	30JUL84	.	.	.	.	.	.	.	.	.	6673.2	.	.	.
309	02AUG84	.	.	.	.	.	.	.	.	.	6675.0	.	.	.
310	06AUG84	.	.	.	.	.	.	.	.	.	6677.5	.	.	.
311	09AUG84	.	.	.	.	.	.	.	.	.	6679.4	.	.	.
312	13AUG84	.	.	.	.	.	.	.	.	.	6681.7	.	.	.
313	20AUG84	.	.	.	.	.	.	.	.	.	6685.4	.	.	.
314	23AUG84	.	.	.	.	.	.	.	.	.	6686.8	.	.	.
315	27AUG84	.	.	.	.	.	.	.	.	.	6689.1	.	.	.
316	31AUG84	.	.	.	.	.	.	.	.	.	6691.5	.	.	.
317	06SEP84	.	.	.	.	.	.	.	.	.	6694.9	.	.	.
318	13SEP84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
319	20SEP84	.	.	.	.	.	.	.	.	.	6700.8	.	.	.
320	27SEP84	.	.	.	.	.	.	.	.	.	6702.9	.	.	.
321	03OCT84	.	.	.	.	.	.	.	.	.	6705.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=CE-709U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
322	10OCT84	.	.	.	.	.	.	.	.	.	6707.8	.	.	.
323	18OCT84	.	.	.	.	.	.	.	.	.	6709.3	.	.	.
324	25OCT84	.	.	.	.	.	.	.	.	.	6710.7	.	.	.
325	01NOV84	.	.	.	.	.	.	.	.	.	6708.8	.	.	.
326	14NOV84	.	.	.	.	.	.	.	.	.	6713.7	.	.	.
327	21NOV84	.	.	.	.	.	.	.	.	.	6718.0	.	.	.
328	28NOV84	.	.	.	.	.	.	.	.	.	6714.3	.	.	.
329	05DEC84	.	.	.	.	.	.	.	.	.	6720.3	.	.	.
330	12DEC84	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
331	19DEC84	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
332	26DEC84	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
333	02JAN85	.	.	.	.	.	.	.	.	.	6717.0	.	.	.
334	09JAN85	.	.	.	.	.	.	.	.	.	6717.2	.	.	.
335	16JAN85	.	.	.	.	.	.	.	.	.	6717.3	.	.	.
336	23JAN85	.	.	.	.	.	.	.	.	.	6717.0	.	.	.
337	30JAN85	.	.	.	.	.	.	.	.	.	6718.0	.	.	.
338	06FEB85	.	.	.	.	.	.	.	.	.	6718.1	.	.	.
339	13FEB85	.	.	.	.	.	.	.	.	.	6717.9	.	.	.
340	20MAR85	.	.	.	.	.	.	.	.	.	6720.2	.	.	.
341	28MAR85	.	.	.	.	.	.	.	.	.	6722.9	.	.	.

STATION LOCATION=GS-D1U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
342	07MAR84	.	.	.	.	.	.	.	.	.	6348.9	.	.	.
343	15MAR84	.	.	.	.	.	.	.	.	.	6358.9	.	.	.
344	20MAR84	.	.	.	.	.	.	.	.	.	6360.7	.	.	.
345	28MAR84	.	.	.	.	.	.	.	.	.	6358.4	.	.	.
346	04APR84	.	.	.	.	.	.	.	.	.	6362.0	.	.	.
347	11APR84	1300	11	7.4	.	.	.	.	.	.	6361.5	.	.	.
348	19APR84	.	.	.	.	.	.	.	.	.	6360.1	.	.	.
349	24APR84	.	.	.	.	.	.	.	.	.	6362.4	.	.	.
350	02MAY84	.	.	.	.	.	.	.	.	.	6363.8	.	.	.
351	08MAY84	.	.	.	.	.	.	.	.	.	6365.4	.	.	.
352	09MAY84	.	.	.	.	.	.	.	.	.	6365.7	.	.	.
353	10MAY84	.	.	.	.	.	.	.	.	.	6366.6	.	.	.
354	11MAY84	.	.	.	.	.	.	.	.	.	6366.6	.	.	.
355	12MAY84	.	.	.	.	.	.	.	.	.	6366.6	.	.	.
356	13MAY84	.	.	.	.	.	.	.	.	.	6368.0	.	.	.
357	14MAY84	.	.	.	.	.	.	.	.	.	6368.0	.	.	.
358	15MAY84	.	.	.	.	.	.	.	.	.	6368.0	.	.	.
359	16MAY84	.	.	.	.	.	.	.	.	.	6367.5	.	.	.
360	17MAY84	.	.	.	.	.	.	.	.	.	6367.5	.	.	.
361	18MAY84	.	.	.	.	.	.	.	.	.	6368.9	.	.	.
362	19MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D1U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
363	20MAY84	.	.	.	.	.	.	.	.	.	6369.6	.	.	.
364	21MAY84	.	.	.	.	.	.	.	.	.	6368.9	.	.	.
365	22MAY84	.	.	.	.	.	.	.	.	.	6368.0	.	.	.
366	23MAY84	.	.	.	.	.	.	.	.	.	6370.3	.	.	.
367	24MAY84	.	.	.	.	.	.	.	.	.	6371.0	.	.	.
368	25MAY84	.	.	.	.	.	.	.	.	.	6371.5	.	.	.
369	26MAY84	.	.	.	.	.	.	.	.	.	6371.7	.	.	.
370	27MAY84	.	.	.	.	.	.	.	.	.	6370.1	.	.	.
371	28MAY84	.	.	.	.	.	.	.	.	.	6371.5	.	.	.
372	29MAY84	.	.	.	.	.	.	.	.	.	6371.9	.	.	.
373	30MAY84	.	.	.	.	.	.	.	.	.	6373.1	.	.	.
374	31MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
375	01JUN84	.	.	.	.	.	.	.	.	.	6371.9	.	.	.
376	02JUN84	.	.	.	.	.	.	.	.	.	6371.9	.	.	.
377	03JUN84	.	.	.	.	.	.	.	.	.	6371.9	.	.	.
378	04JUN84	.	.	.	.	.	.	.	.	.	6372.6	.	.	.
379	05JUN84	.	.	.	.	.	.	.	.	.	6370.8	.	.	.
380	07JUN84	.	.	.	.	.	.	.	.	.	6373.8	.	.	.
381	08JUN84	.	.	.	.	.	.	.	.	.	6377.7	.	.	.
382	09JUN84	.	.	.	.	.	.	.	.	.	6381.2	.	.	.
383	10JUN84	.	.	.	.	.	.	.	.	.	6381.2	.	.	.
384	11JUN84	.	.	.	.	.	.	.	.	.	6399.2	.	.	.
385	12JUN84	.	.	.	.	.	.	.	.	.	6415.1	.	.	.
386	13JUN84	.	.	.	.	.	.	.	.	.	6421.3	.	.	.
387	17JUN84	.	.	.	.	.	.	.	.	.	6455.0	.	.	.
388	18JUN84	.	.	.	.	.	.	.	.	.	6459.4	.	.	.
389	20JUN84	.	.	.	.	.	.	.	.	.	6467.3	.	.	.
390	23JUN84	.	.	.	.	.	.	.	.	.	6526.6	.	.	.
391	24JUN84	.	.	.	.	.	.	.	.	.	6525.5	.	.	.
392	07JUL84	.	.	.	.	.	.	.	.	.	6591.3	.	.	.
393	08JUL84	.	.	.	.	.	.	.	.	.	6587.5	.	.	.
394	09JUL84	.	.	.	.	.	.	.	.	.	6605.2	.	.	.
395	10JUL84	.	.	.	.	.	.	.	.	.	6623.6	.	.	.
396	11JUL84	.	.	.	.	.	.	.	.	.	6639.8	.	.	.
397	16JUL84	2496	.	7.5	1.6	1.4	-1	-1	-0.1	11	.	.	.	.
398	18OCT84	2066	14	7.2	-1.0	0.6	-1	-1	-0.1	20	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D3U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
399	07MAR84	.	.	.	.	.	.	.	.	.	6308.9	.	.	.
400	15MAR84	.	.	.	.	.	.	.	.	.	6308.8	.	.	.
401	20MAR84	.	.	.	.	.	.	.	.	.	6308.5	.	.	.
402	28MAR84	.	.	.	.	.	.	.	.	.	6308.8	.	.	.
403	04APR84	.	.	.	.	.	.	.	.	.	6308.7	.	.	.
404	12APR84	.	.	.	.	.	.	.	.	.	6308.7	.	.	.
405	16APR84	.	.	.	.	.	.	.	.	.	6308.2	.	.	.
406	24APR84	.	.	.	.	.	.	.	.	.	6308.4	.	.	.
407	02MAY84	.	.	.	.	.	.	.	.	.	6308.9	.	.	.
408	08MAY84	.	.	.	.	.	.	.	.	.	6308.7	.	.	.
409	09MAY84	.	.	.	.	.	.	.	.	.	6309.1	.	.	.
410	10MAY84	.	.	.	.	.	.	.	.	.	6309.3	.	.	.
411	11MAY84	.	.	.	.	.	.	.	.	.	6309.5	.	.	.
412	12MAY84	.	.	.	.	.	.	.	.	.	6309.3	.	.	.
413	13MAY84	.	.	.	.	.	.	.	.	.	6309.6	.	.	.
414	14MAY84	.	.	.	.	.	.	.	.	.	6309.7	.	.	.
415	15MAY84	.	.	.	.	.	.	.	.	.	6309.8	.	.	.
416	16MAY84	.	.	.	.	.	.	.	.	.	6310.1	.	.	.
417	17MAY84	.	.	.	.	.	.	.	.	.	6309.7	.	.	.
418	18MAY84	.	.	.	.	.	.	.	.	.	6310.1	.	.	.
419	19MAY84	.	.	.	.	.	.	.	.	.	6310.1	.	.	.
420	20MAY84	.	.	.	.	.	.	.	.	.	6310.6	.	.	.
421	21MAY84	.	.	.	.	.	.	.	.	.	6311.7	.	.	.
422	22MAY84	.	.	.	.	.	.	.	.	.	6311.9	.	.	.
423	23MAY84	.	.	.	.	.	.	.	.	.	6313.4	.	.	.
424	24MAY84	.	.	.	.	.	.	.	.	.	6313.9	.	.	.
425	25MAY84	.	.	.	.	.	.	.	.	.	6313.7	.	.	.
426	26MAY84	.	.	.	.	.	.	.	.	.	6315.0	.	.	.
427	27MAY84	.	.	.	.	.	.	.	.	.	6314.4	.	.	.
428	28MAY84	.	.	.	.	.	.	.	.	.	6317.0	.	.	.
429	29MAY84	.	.	.	.	.	.	.	.	.	6317.5	.	.	.
430	30MAY84	.	.	.	.	.	.	.	.	.	6330.5	.	.	.
431	31MAY84	.	.	.	.	.	.	.	.	.	6323.3	.	.	.
432	01JUN84	.	.	.	.	.	.	.	.	.	6324.4	.	.	.
433	02JUN84	.	.	.	.	.	.	.	.	.	6326.5	.	.	.
434	03JUN84	.	.	.	.	.	.	.	.	.	6329.3	.	.	.
435	04JUN84	.	.	.	.	.	.	.	.	.	6332.6	.	.	.
436	05JUN84	.	.	.	.	.	.	.	.	.	6334.6	.	.	.
437	07JUN84	.	.	.	.	.	.	.	.	.	6342.8	.	.	.
438	08JUN84	.	.	.	.	.	.	.	.	.	6359.6	.	.	.
439	09JUN84	.	.	.	.	.	.	.	.	.	6369.4	.	.	.
440	10JUN84	.	.	.	.	.	.	.	.	.	6370.4	.	.	.
441	11JUN84	.	.	.	.	.	.	.	.	.	6397.6	.	.	.
442	12JUN84	.	.	.	.	.	.	.	.	.	6416.1	.	.	.
443	13JUN84	.	.	.	.	.	.	.	.	.	6425.3	.	.	.
444	15JUN84	.	.	.	.	.	.	.	.	.	6440.2	.	.	.
445	16JUN84	.	.	.	.	.	.	.	.	.	6447.7	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D3U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
446	17JUN84	.	.	.	.	.	.	.	.	.	6458.8	.	.	.
447	18JUN84	.	.	.	.	.	.	.	.	.	6467.6	.	.	.
448	19JUN84	.	.	.	.	.	.	.	.	.	6471.8	.	.	.
449	20JUN84	.	.	.	.	.	.	.	.	.	6484.5	.	.	.
450	21JUN84	.	.	.	.	.	.	.	.	.	6498.4	.	.	.
451	22JUN84	.	.	.	.	.	.	.	.	.	6517.7	.	.	.
452	23JUN84	.	.	.	.	.	.	.	.	.	6537.3	.	.	.
453	24JUN84	.	.	.	.	.	.	.	.	.	6554.3	.	.	.
454	25JUN84	.	.	.	.	.	.	.	.	.	6565.7	.	.	.
455	26JUN84	.	.	.	.	.	.	.	.	.	6572.8	.	.	.
456	27JUN84	.	.	.	.	.	.	.	.	.	6576.5	.	.	.
457	28JUN84	.	.	.	.	.	.	.	.	.	6582.8	.	.	.
458	29JUN84	.	.	.	.	.	.	.	.	.	6587.2	.	.	.
459	30JUN84	.	.	.	.	.	.	.	.	.	6592.3	.	.	.
460	01JUL84	.	.	.	.	.	.	.	.	.	6597.3	.	.	.
461	02JUL84	.	.	.	.	.	.	.	.	.	6603.8	.	.	.
462	03JUL84	.	.	.	.	.	.	.	.	.	6608.4	.	.	.
463	04JUL84	.	.	.	.	.	.	.	.	.	6612.1	.	.	.
464	05JUL84	.	.	.	.	.	.	.	.	.	6617.6	.	.	.
465	06JUL84	.	.	.	.	.	.	.	.	.	6621.9	.	.	.
466	07JUL84	.	.	.	.	.	.	.	.	.	6624.5	.	.	.
467	08JUL84	.	.	.	.	.	.	.	.	.	6629.4	.	.	.
468	09JUL84	.	.	.	.	.	.	.	.	.	6631.4	.	.	.
469	10JUL84	.	.	.	.	.	.	.	.	.	6635.5	.	.	.
470	11JUL84	.	.	.	.	.	.	.	.	.	6638.6	.	.	.
471	12JUL84	.	.	.	.	.	.	.	.	.	6641.4	.	.	.
472	13JUL84	.	.	.	.	.	.	.	.	.	6643.5	.	.	.
473	14JUL84	.	.	.	.	.	.	.	.	.	6644.9	.	.	.
474	15JUL84	.	.	.	.	.	.	.	.	.	6647.0	.	.	.
475	16JUL84	.	.	.	.	.	.	.	.	.	6649.7	.	.	.
476	19JUL84	.	.	.	.	.	.	.	.	.	6654.6	.	.	.
477	23JUL84	.	.	.	.	.	.	.	.	.	6660.4	.	.	.
478	27JUL84	.	.	.	.	.	.	.	.	.	6664.8	.	.	.
479	30JUL84	.	.	.	.	.	.	.	.	.	6666.8	.	.	.
480	02AUG84	.	.	.	.	.	.	.	.	.	6670.3	.	.	.
481	06AUG84	.	.	.	.	.	.	.	.	.	6673.9	.	.	.
482	09AUG84	.	.	.	.	.	.	.	.	.	6676.1	.	.	.
483	13AUG84	.	.	.	.	.	.	.	.	.	6678.9	.	.	.
484	16AUG84	.	.	.	.	.	.	.	.	.	6680.3	.	.	.
485	20AUG84	.	.	.	.	.	.	.	.	.	6683.1	.	.	.
486	23AUG84	.	.	.	.	.	.	.	.	.	6684.5	.	.	.
487	27AUG84	.	.	.	.	.	.	.	.	.	6685.0	.	.	.
488	31AUG84	.	.	.	.	.	.	.	.	.	6688.7	.	.	.
489	06SEP84	.	.	.	.	.	.	.	.	.	6692.4	.	.	.
490	13SEP84	.	.	.	.	.	.	.	.	.	6695.4	.	.	.
491	20SEP84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
492	27SEP84	.	.	.	.	.	.	.	.	.	6700.6	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D3U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
493	030CT84	.	.	.	.	.	.	.	.	.	6702.7	.	.	.
494	100CT84	.	.	.	.	.	.	.	.	.	6705.0	.	.	.
495	180CT84	1938	12.8	7.1	-1	0.6	-1	1	-0.1	22	6707.0	.	.	.
496	250CT84	.	.	.	.	.	.	.	.	.	6708.5	.	.	.
497	01NOV84	.	.	.	.	.	.	.	.	.	6709.6	.	.	.
498	14NOV84	.	.	.	.	.	.	.	.	.	6711.5	.	.	.
499	21NOV84	.	.	.	.	.	.	.	.	.	6710.7	.	.	.
500	28NOV84	.	.	.	.	.	.	.	.	.	6711.6	.	.	.
501	05DEC84	.	.	.	.	.	.	.	.	.	6712.2	.	.	.
502	12DEC84	.	.	.	.	.	.	.	.	.	6713.0	.	.	.
503	19DEC84	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
504	26DEC84	.	.	.	.	.	.	.	.	.	6712.6	.	.	.
505	02JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
506	09JAN85	.	.	.	.	.	.	.	.	.	6715.0	.	.	.
507	16JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
508	23JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
509	30JAN85	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
510	06FEB85	.	.	.	.	.	.	.	.	.	6716.1	.	.	.
511	13FEB85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
512	20MAR85	.	.	.	.	.	.	.	.	.	6718.3	.	.	.
513	28MAR85	.	.	.	.	.	.	.	.	.	6719.9	.	.	.

STATION LOCATION=GS-D5U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
514	02DEC83	.	.	.	.	.	.	.	.	.	.	207	.	.
515	03DEC83	.	.	.	.	.	.	.	.	.	.	209	.	.
516	04DEC83	.	.	.	.	.	.	.	.	.	.	212	.	.
517	05DEC83	.	.	.	.	.	.	.	.	.	.	201	.	.
518	06DEC83	.	.	.	.	.	.	.	.	.	.	192	.	.
519	07DEC83	.	.	.	.	.	.	.	.	.	.	187	.	.
520	08DEC83	.	.	.	.	.	.	.	.	.	.	190	.	.
521	09DEC83	.	.	.	.	.	.	.	.	.	.	206	.	.
522	10DEC83	.	.	.	.	.	.	.	.	.	.	207	.	.
523	11DEC83	.	.	.	.	.	.	.	.	.	.	216	.	.
524	12DEC83	.	.	.	.	.	.	.	.	.	.	196	.	.
525	13DEC83	.	.	.	.	.	.	.	.	.	.	194	.	.
526	14DEC83	.	.	.	.	.	.	.	.	.	.	191	.	.
527	15DEC83	.	.	.	.	.	.	.	.	.	.	188	.	.
528	16DEC83	.	.	.	.	.	.	.	.	.	.	188	.	.
529	17DEC83	.	.	.	.	.	.	.	.	.	.	184	.	.
530	18DEC83	.	.	.	.	.	.	.	.	.	.	202	.	.
531	19DEC83	.	.	.	.	.	.	.	.	.	.	196	.	.
532	20DEC83	.	.	.	.	.	.	.	.	.	.	191	.	.
533	21DEC83	.	.	.	.	.	.	.	.	.	.	195	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D5U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
534	22DEC83	.	.	.	.	.	.	.	.	.	.	192	.	.
535	23DEC83	.	.	.	.	.	.	.	.	.	.	192	.	.
536	24DEC83	.	.	.	.	.	.	.	.	.	.	196	.	.
537	25DEC83	.	.	.	.	.	.	.	.	.	.	202	.	.
538	26DEC83	.	.	.	.	.	.	.	.	.	.	204	.	.
539	27DEC83	.	.	.	.	.	.	.	.	.	.	201	.	.
540	28DEC83	.	.	.	.	.	.	.	.	.	.	203	.	.
541	29DEC83	.	.	.	.	.	.	.	.	.	.	200	.	.
542	30DEC83	.	.	.	.	.	.	.	.	.	.	196	.	.
543	31DEC83	.	.	.	.	.	.	.	.	.	.	196	.	.
544	01JAN84	.	.	.	.	.	.	.	.	.	.	199	.	.
545	02JAN84	.	.	.	.	.	.	.	.	.	.	197	.	.
546	03JAN84	.	.	.	.	.	.	.	.	.	.	197	.	.
547	04JAN84	.	.	.	.	.	.	.	.	.	.	200	.	.
548	05JAN84	.	.	.	.	.	.	.	.	.	.	201	.	.
549	06JAN84	.	.	.	.	.	.	.	.	.	.	198	.	.
550	07JAN84	.	.	.	.	.	.	.	.	.	.	199	.	.
551	08JAN84	.	.	.	.	.	.	.	.	.	.	199	.	.
552	09JAN84	.	.	.	.	.	.	.	.	.	.	198	.	.
553	10JAN84	.	.	.	.	.	.	.	.	.	.	197	.	.
554	11JAN84	.	.	.	.	.	.	.	.	.	.	208	.	.
555	12JAN84	.	.	.	.	.	.	.	.	.	.	204	.	.
556	13JAN84	.	.	.	.	.	.	.	.	.	.	208	.	.
557	14JAN84	.	.	.	.	.	.	.	.	.	.	196	.	.
558	15JAN84	.	.	.	.	.	.	.	.	.	.	199	.	.
559	16JAN84	.	.	.	.	.	.	.	.	.	.	196	.	.
560	17JAN84	.	.	.	.	.	.	.	.	.	.	191	.	.
561	18JAN84	.	.	.	.	.	.	.	.	.	.	190	.	.
562	19JAN84	.	.	.	.	.	.	.	.	.	.	186	.	.
563	20JAN84	.	.	.	.	.	.	.	.	.	.	70	.	.
564	21JAN84	.	.	.	.	.	.	.	.	.	.	.	.	.
565	22JAN84	.	.	.	.	.	.	.	.	.	.	.	.	.
566	23JAN84	.	.	.	.	.	.	.	.	.	.	.	.	.
567	24JAN84	.	.	.	.	.	.	.	.	.	.	.	.	.
568	25JAN84	.	.	.	.	.	.	.	.	.	.	.	.	.
569	26JAN84	.	.	.	.	.	.	.	.	.	.	.	.	.
570	07MAR84	.	.	.	.	.	.	.	.	.	6403.8	.	.	.
571	15MAR84	.	.	.	.	.	.	.	.	.	6403.7	.	.	.
572	20MAR84	.	.	.	.	.	.	.	.	.	6404.1	.	.	.
573	28MAR84	.	.	.	.	.	.	.	.	.	6404.0	.	.	.
574	04APR84	.	.	.	.	.	.	.	.	.	6405.8	.	.	.
575	12APR84	1700	12.7	7.2	.	.	.	.	.	.	6407.6	.	.	.
576	19APR84	.	.	.	.	.	.	.	.	.	6410.2	.	.	.
577	24APR84	.	.	.	.	.	.	.	.	.	6412.3	.	.	.
578	02MAY84	.	.	.	.	.	.	.	.	.	6415.3	.	.	.
579	08MAY84	.	.	.	.	.	.	.	.	.	6417.2	.	.	.
580	09MAY84	.	.	.	.	.	.	.	.	.	6417.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D5U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
581	10MAY84	.	.	.	.	.	.	.	.	.	6418.0	.	.	.
582	11MAY84	.	.	.	.	.	.	.	.	.	6418.2	.	.	.
583	12MAY84	.	.	.	.	.	.	.	.	.	6418.7	.	.	.
584	13MAY84	.	.	.	.	.	.	.	.	.	6418.5	.	.	.
585	14MAY84	.	.	.	.	.	.	.	.	.	6418.8	.	.	.
586	15MAY84	.	.	.	.	.	.	.	.	.	6419.6	.	.	.
587	16MAY84	.	.	.	.	.	.	.	.	.	6420.1	.	.	.
588	17MAY84	.	.	.	.	.	.	.	.	.	6420.7	.	.	.
589	18MAY84	.	.	.	.	.	.	.	.	.	6420.5	.	.	.
590	19MAY84	.	.	.	.	.	.	.	.	.	6420.3	.	.	.
591	20MAY84	.	.	.	.	.	.	.	.	.	6420.8	.	.	.
592	21MAY84	.	.	.	.	.	.	.	.	.	6421.4	.	.	.
593	22MAY84	.	.	.	.	.	.	.	.	.	6421.5	.	.	.
594	23MAY84	.	.	.	.	.	.	.	.	.	6421.5	.	.	.
595	24MAY84	.	.	.	.	.	.	.	.	.	6421.8	.	.	.
596	25MAY84	.	.	.	.	.	.	.	.	.	6422.3	.	.	.
597	26MAY84	.	.	.	.	.	.	.	.	.	6423.1	.	.	.
598	27MAY84	.	.	.	.	.	.	.	.	.	6424.2	.	.	.
599	28MAY84	.	.	.	.	.	.	.	.	.	6423.3	.	.	.
600	29MAY84	.	.	.	.	.	.	.	.	.	6422.8	.	.	.
601	30MAY84	.	.	.	.	.	.	.	.	.	6423.9	.	.	.
602	31MAY84	.	.	.	.	.	.	.	.	.	6425.0	.	.	.
603	01JUN84	.	.	.	.	.	.	.	.	.	6426.3	.	.	.
604	02JUN84	.	.	.	.	.	.	.	.	.	6427.7	.	.	.
605	03JUN84	.	.	.	.	.	.	.	.	.	6430.0	.	.	.
606	04JUN84	.	.	.	.	.	.	.	.	.	6433.8	.	.	.
607	05JUN84	.	.	.	.	.	.	.	.	.	6436.0	.	.	.
608	07JUN84	.	.	.	.	.	.	.	.	.	6439.7	.	.	.
609	08JUN84	.	.	.	.	.	.	.	.	.	6443.1	.	.	.
610	09JUN84	.	.	.	.	.	.	.	.	.	6446.9	.	.	.
611	10JUN84	.	.	.	.	.	.	.	.	.	6448.3	.	.	.
612	12JUN84	.	.	.	.	.	.	.	.	.	6467.7	.	.	.
613	13JUN84	.	.	.	.	.	.	.	.	.	6473.7	.	.	.
614	14JUN84	.	.	.	.	.	.	.	.	.	6481.7	.	.	.
615	15JUN84	.	.	.	.	.	.	.	.	.	6487.8	.	.	.
616	16JUN84	.	.	.	.	.	.	.	.	.	6492.7	.	.	.
617	17JUN84	.	.	.	.	.	.	.	.	.	6499.9	.	.	.
618	18JUN84	.	.	.	.	.	.	.	.	.	6505.9	.	.	.
619	19JUN84	.	.	.	.	.	.	.	.	.	6511.2	.	.	.
620	20JUN84	.	.	.	.	.	.	.	.	.	6518.1	.	.	.
621	21JUN84	.	.	.	.	.	.	.	.	.	6526.6	.	.	.
622	22JUN84	.	.	.	.	.	.	.	.	.	6535.6	.	.	.
623	23JUN84	.	.	.	.	.	.	.	.	.	6546.8	.	.	.
624	24JUN84	.	.	.	.	.	.	.	.	.	6554.9	.	.	.
625	25JUN84	.	.	.	.	.	.	.	.	.	6562.0	.	.	.
626	26JUN84	.	.	.	.	.	.	.	.	.	6568.6	.	.	.
627	27JUN84	.	.	.	.	.	.	.	.	.	6572.8	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D5U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
628	28JUN84	.	.	.	.	.	.	.	.	.	6578.9	.	.	.
629	29JUN84	.	.	.	.	.	.	.	.	.	6583.6	.	.	.
630	30JUN84	.	.	.	.	.	.	.	.	.	6588.3	.	.	.
631	01JUL84	.	.	.	.	.	.	.	.	.	6593.3	.	.	.
632	02JUL84	.	.	.	.	.	.	.	.	.	6599.5	.	.	.
633	03JUL84	.	.	.	.	.	.	.	.	.	6603.7	.	.	.
634	04JUL84	.	.	.	.	.	.	.	.	.	6607.8	.	.	.
635	05JUL84	.	.	.	.	.	.	.	.	.	6612.4	.	.	.
636	06JUL84	.	.	.	.	.	.	.	.	.	6616.9	.	.	.
637	07JUL84	.	.	.	.	.	.	.	.	.	6620.7	.	.	.
638	08JUL84	.	.	.	.	.	.	.	.	.	6624.1	.	.	.
639	09JUL84	.	.	.	.	.	.	.	.	.	6627.3	.	.	.
640	10JUL84	.	.	.	.	.	.	.	.	.	6630.2	.	.	.
641	11JUL84	.	.	.	.	.	.	.	.	.	6633.5	.	.	.
642	12JUL84	.	.	.	.	.	.	.	.	.	6636.1	.	.	.
643	13JUL84	.	.	.	.	.	.	.	.	.	6638.5	.	.	.
644	14JUL84	.	.	.	.	.	.	.	.	.	6640.4	.	.	.
645	15JUL84	.	.	.	.	.	.	.	.	.	6642.4	.	.	.
646	16JUL84	.	.	.	.	.	.	.	.	.	6644.9	.	.	.
647	19JUL84	.	.	.	.	.	.	.	.	.	6650.8	.	.	.
648	23JUL84	.	.	.	.	.	.	.	.	.	6655.9	.	.	.
649	27JUL84	.	.	.	.	.	.	.	.	.	6660.9	.	.	.
650	30JUL84	.	.	.	.	.	.	.	.	.	6663.3	.	.	.
651	02AUG84	.	.	.	.	.	.	.	.	.	6666.7	.	.	.
652	06AUG84	.	.	.	.	.	.	.	.	.	6670.2	.	.	.
653	09AUG84	.	.	.	.	.	.	.	.	.	6672.4	.	.	.
654	13AUG84	.	.	.	.	.	.	.	.	.	6675.5	.	.	.
655	16AUG84	.	.	.	.	.	.	.	.	.	6677.3	.	.	.
656	20AUG84	.	.	.	.	.	.	.	.	.	6679.4	.	.	.
657	23AUG84	.	.	.	.	.	.	.	.	.	6681.4	.	.	.
658	27AUG84	.	.	.	.	.	.	.	.	.	6683.3	.	.	.
659	31AUG84	.	.	.	.	.	.	.	.	.	6685.9	.	.	.
660	06SEP84	.	.	.	.	.	.	.	.	.	6689.5	.	.	.
661	13SEP84	.	.	.	.	.	.	.	.	.	6692.8	.	.	.
662	20SEP84	.	.	.	.	.	.	.	.	.	6695.9	.	.	.
663	27SEP84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
664	03OCT84	.	.	.	.	.	.	.	.	.	6700.5	.	.	.
665	10OCT84	.	.	.	.	.	.	.	.	.	6704.6	.	.	.
666	18OCT84	2245	11.2	6.9	-1	0.7	-1	2	-0.1	20	6704.9	.	.	.
667	25OCT84	.	.	.	.	.	.	.	.	.	6706.4	.	.	.
668	14NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	.	.
669	21NOV84	.	.	.	.	.	.	.	.	.	6709.1	.	.	.
670	28NOV84	.	.	.	.	.	.	.	.	.	6709.8	.	.	.
671	05DEC84	.	.	.	.	.	.	.	.	.	6710.3	.	.	.
672	12DEC84	.	.	.	.	.	.	.	.	.	6711.2	.	.	.
673	26DEC84	.	.	.	.	.	.	.	.	.	6712.3	.	.	.
674	02JAN85	.	.	.	.	.	.	.	.	.	6712.8	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-D5U

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
675	09JAN85	.	.	.	.	.	.	.	.	.	6713.1	.	.	.
676	16JAN85	.	.	.	.	.	.	.	.	.	6713.2	.	.	.
677	23JAN85	.	.	.	.	.	.	.	.	.	6713.6	.	.	.
678	30JAN85	.	.	.	.	.	.	.	.	.	6713.9	.	.	.
679	06FEB85	.	.	.	.	.	.	.	.	.	6714.1	.	.	.
680	13FEB85	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
681	20MAR85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
682	28MAR85	.	.	.	.	.	.	.	.	.	6718.1	.	.	.

STATION LOCATION=GS-MDP2CU

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
683	07MAR84	.	.	.	.	.	.	.	.	.	6372.4	.	.	.
684	15MAR84	.	.	.	.	.	.	.	.	.	6372.1	.	.	.
685	20MAR84	.	.	.	.	.	.	.	.	.	6372.6	.	.	.
686	28MAR84	.	.	.	.	.	.	.	.	.	6371.6	.	.	.
687	04APR84	.	.	.	.	.	.	.	.	.	6371.5	.	.	.
688	12APR84	.	.	.	.	.	.	.	.	.	6371.9	.	.	.
689	16APR84	.	.	.	.	.	.	.	.	.	6371.0	.	.	.
690	24APR84	.	.	.	.	.	.	.	.	.	6373.4	.	.	.
691	02MAY84	.	.	.	.	.	.	.	.	.	6373.7	.	.	.
692	08MAY84	.	.	.	.	.	.	.	.	.	6374.1	.	.	.
693	09MAY84	.	.	.	.	.	.	.	.	.	6374.1	.	.	.
694	10MAY84	.	.	.	.	.	.	.	.	.	6373.8	.	.	.
695	11MAY84	.	.	.	.	.	.	.	.	.	6374.2	.	.	.
696	12MAY84	.	.	.	.	.	.	.	.	.	6374.9	.	.	.
697	13MAY84	.	.	.	.	.	.	.	.	.	6375.1	.	.	.
698	14MAY84	.	.	.	.	.	.	.	.	.	6375.8	.	.	.
699	15MAY84	.	.	.	.	.	.	.	.	.	6376.2	.	.	.
700	16MAY84	.	.	.	.	.	.	.	.	.	6377.1	.	.	.
701	17MAY84	.	.	.	.	.	.	.	.	.	6377.0	.	.	.
702	18MAY84	.	.	.	.	.	.	.	.	.	6377.8	.	.	.
703	19MAY84	.	.	.	.	.	.	.	.	.	6381.3	.	.	.
704	20MAY84	.	.	.	.	.	.	.	.	.	6379.5	.	.	.
705	21MAY84	.	.	.	.	.	.	.	.	.	6380.1	.	.	.
706	22MAY84	.	.	.	.	.	.	.	.	.	6381.0	.	.	.
707	23MAY84	.	.	.	.	.	.	.	.	.	6379.0	.	.	.
708	24MAY84	.	.	.	.	.	.	.	.	.	6379.4	.	.	.
709	25MAY84	.	.	.	.	.	.	.	.	.	6380.3	.	.	.
710	26MAY84	.	.	.	.	.	.	.	.	.	6380.8	.	.	.
711	27MAY84	.	.	.	.	.	.	.	.	.	6380.8	.	.	.
712	28MAY84	.	.	.	.	.	.	.	.	.	6390.0	.	.	.
713	29MAY84	.	.	.	.	.	.	.	.	.	6392.8	.	.	.
714	30MAY84	.	.	.	.	.	.	.	.	.	6392.3	.	.	.
715	31MAY84	.	.	.	.	.	.	.	.	.	6395.6	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-MDP2CU

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
716	01JUN84	.	.	.	.	.	.	.	.	.	6398.1	.	.	.
717	02JUN84	.	.	.	.	.	.	.	.	.	6400.0	.	.	.
718	03JUN84	.	.	.	.	.	.	.	.	.	6402.2	.	.	.
719	04JUN84	.	.	.	.	.	.	.	.	.	6406.8	.	.	.
720	05JUN84	.	.	.	.	.	.	.	.	.	6409.4	.	.	.
721	07JUN84	.	.	.	.	.	.	.	.	.	6413.4	.	.	.
722	08JUN84	.	.	.	.	.	.	.	.	.	6415.9	.	.	.
723	09JUN84	.	.	.	.	.	.	.	.	.	6468.7	.	.	.
724	10JUN84	.	.	.	.	.	.	.	.	.	6468.8	.	.	.
725	12JUN84	.	.	.	.	.	.	.	.	.	6440.6	.	.	.
726	13JUN84	.	.	.	.	.	.	.	.	.	6449.4	.	.	.
727	14JUN84	.	.	.	.	.	.	.	.	.	6457.3	.	.	.
728	15JUN84	.	.	.	.	.	.	.	.	.	6463.9	.	.	.
729	16JUN84	.	.	.	.	.	.	.	.	.	6463.3	.	.	.
730	17JUN84	.	.	.	.	.	.	.	.	.	6476.3	.	.	.
731	18JUN84	.	.	.	.	.	.	.	.	.	6481.8	.	.	.
732	19JUN84	.	.	.	.	.	.	.	.	.	6488.2	.	.	.
733	20JUN84	.	.	.	.	.	.	.	.	.	6495.9	.	.	.
734	21JUN84	.	.	.	.	.	.	.	.	.	6507.1	.	.	.
735	22JUN84	.	.	.	.	.	.	.	.	.	6523.7	.	.	.
736	23JUN84	.	.	.	.	.	.	.	.	.	6543.7	.	.	.
737	24JUN84	.	.	.	.	.	.	.	.	.	6557.6	.	.	.
738	25JUN84	.	.	.	.	.	.	.	.	.	6565.8	.	.	.
739	26JUN84	.	.	.	.	.	.	.	.	.	6573.0	.	.	.
740	27JUN84	.	.	.	.	.	.	.	.	.	6577.5	.	.	.
741	28JUN84	.	.	.	.	.	.	.	.	.	6583.3	.	.	.
742	29JUN84	.	.	.	.	.	.	.	.	.	6588.6	.	.	.
743	30JUN84	.	.	.	.	.	.	.	.	.	6593.0	.	.	.
744	01JUL84	.	.	.	.	.	.	.	.	.	6597.8	.	.	.
745	02JUL84	.	.	.	.	.	.	.	.	.	6603.9	.	.	.
746	03JUL84	.	.	.	.	.	.	.	.	.	6608.3	.	.	.
747	04JUL84	.	.	.	.	.	.	.	.	.	6612.3	.	.	.
748	05JUL84	.	.	.	.	.	.	.	.	.	6617.2	.	.	.
749	06JUL84	.	.	.	.	.	.	.	.	.	6621.4	.	.	.
750	07JUL84	.	.	.	.	.	.	.	.	.	6624.8	.	.	.
751	08JUL84	.	.	.	.	.	.	.	.	.	6627.7	.	.	.
752	09JUL84	.	.	.	.	.	.	.	.	.	6631.8	.	.	.
753	10JUL84	.	.	.	.	.	.	.	.	.	6634.8	.	.	.
754	11JUL84	.	.	.	.	.	.	.	.	.	6637.8	.	.	.
755	12JUL84	.	.	.	.	.	.	.	.	.	6640.6	.	.	.
756	13JUL84	.	.	.	.	.	.	.	.	.	6642.8	.	.	.
757	14JUL84	.	.	.	.	.	.	.	.	.	6644.4	.	.	.
758	15JUL84	.	.	.	.	.	.	.	.	.	6646.4	.	.	.
759	16JUL84	.	.	.	.	.	.	.	.	.	6648.8	.	.	.
760	19JUL84	.	.	.	.	.	.	.	.	.	6654.1	.	.	.
761	23JUL84	.	.	.	.	.	.	.	.	.	6659.6	.	.	.
762	27JUL84	.	.	.	.	.	.	.	.	.	6663.8	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=GS-MDP2CU

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
763	30JUL84	.	.	.	.	.	.	.	.	.	6665.8	.	.	.
764	02AUG84	.	.	.	.	.	.	.	.	.	6669.2	.	.	.
765	06AUG84	.	.	.	.	.	.	.	.	.	6672.8	.	.	.
766	09AUG84	.	.	.	.	.	.	.	.	.	6675.0	.	.	.
767	13AUG84	.	.	.	.	.	.	.	.	.	6677.9	.	.	.
768	16AUG84	.	.	.	.	.	.	.	.	.	6679.5	.	.	.
769	20AUG84	.	.	.	.	.	.	.	.	.	6681.9	.	.	.
770	23AUG84	.	.	.	.	.	.	.	.	.	6683.4	.	.	.
771	27AUG84	.	.	.	.	.	.	.	.	.	6683.0	.	.	.
772	31AUG84	.	.	.	.	.	.	.	.	.	6687.8	.	.	.
773	06SEP84	.	.	.	.	.	.	.	.	.	6691.4	.	.	.
774	13SEP84	.	.	.	.	.	.	.	.	.	6694.6	.	.	.
775	20SEP84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
776	27SEP84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
777	030CT84	.	.	.	.	.	.	.	.	.	6702.0	.	.	.
778	100CT84	.	.	.	.	.	.	.	.	.	6704.3	.	.	.
779	180CT84	2210	11.3	7.1	-1	0.9	-1	-1	-0.1	22	6706.8	.	.	.
780	250CT84	.	.	.	.	.	.	.	.	.	6707.9	.	.	.
781	01NOV84	.	.	.	.	.	.	.	.	.	6709.0	.	.	.
782	14NOV84	.	.	.	.	.	.	.	.	.	6710.8	.	.	.
783	21NOV84	.	.	.	.	.	.	.	.	.	6710.4	.	.	.
784	28NOV84	.	.	.	.	.	.	.	.	.	6711.5	.	.	.
785	05DEC84	.	.	.	.	.	.	.	.	.	6711.8	.	.	.
786	12DEC84	.	.	.	.	.	.	.	.	.	6712.5	.	.	.
787	19DEC84	.	.	.	.	.	.	.	.	.	6713.3	.	.	.
788	26DEC84	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
789	02JAN85	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
790	09JAN85	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
791	16JAN85	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
792	23JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
793	30JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
794	06FEB85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
795	13FEB85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
796	20MAR85	.	.	.	.	.	.	.	.	.	6717.5	.	.	.
797	28MAR85	.	.	.	.	.	.	.	.	.	6719.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=MINE

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
798	17DEC82	.	.	.	.	.	.	.	.	.	6200.6	932.0	.	.
799	18DEC82	.	.	.	.	.	.	.	.	.	6199.6	856.0	.	.
800	19DEC82	.	.	.	.	.	.	.	.	.	6199.8	904.0	.	.
801	20DEC82	.	.	.	.	.	.	.	.	.	6199.2	922.0	.	.
802	21DEC82	.	.	.	.	.	.	.	.	.	6200.3	799.0	.	.
803	22DEC82	.	.	.	.	.	.	.	.	.	6200.9	781.0	.	.
804	23DEC82	.	.	.	.	.	.	.	.	.	6200.0	852.0	.	.
805	24DEC82	.	.	.	.	.	.	.	.	.	6199.4	841.0	.	.
806	25DEC82	.	.	.	.	.	.	.	.	.	6199.9	821.0	.	.
807	26DEC82	.	.	.	.	.	.	.	.	.	6199.8	838.0	.	.
808	27DEC82	.	.	.	.	.	.	.	.	.	6199.8	843.0	.	.
809	28DEC82	.	.	.	.	.	.	.	.	.	6199.9	805.0	.	.
810	29DEC82	.	.	.	.	.	.	.	.	.	6199.7	807.0	.	.
811	30DEC82	.	.	.	.	.	.	.	.	.	6199.9	794.0	.	.
812	31DEC82	.	.	.	.	.	.	.	.	.	6200.6	798.0	.	.
813	01JAN83	.	.	.	.	.	.	.	.	.	6199.9	809.0	.	.
814	02JAN83	.	.	.	.	.	.	.	.	.	6200.3	762.0	.	.
815	03JAN83	.	.	.	.	.	.	.	.	.	6200.2	879.0	.	.
816	04JAN83	.	.	.	.	.	.	.	.	.	6196.9	716.1	.	.
817	05JAN83	.	.	.	.	.	.	.	.	.	6196.2	937.0	.	.
818	07JAN83	.	.	.	.	.	.	.	.	.	6187.6	910.0	.	.
819	08JAN83	.	.	.	.	.	.	.	.	.	6180.4	945.0	.	.
820	09JAN83	.	.	.	.	.	.	.	.	.	6179.3	928.0	.	.
821	10JAN83	.	.	.	.	.	.	.	.	.	6180.1	839.0	.	.
822	11JAN83	.	.	.	.	.	.	.	.	.	6179.6	834.0	.	.
823	12JAN83	.	.	.	.	.	.	.	.	.	6180.0	809.0	.	.
824	13JAN83	.	.	.	.	.	.	.	.	.	6180.0	828.0	.	.
825	14JAN83	.	.	.	.	.	.	.	.	.	6179.9	805.0	.	.
826	15JAN83	.	.	.	.	.	.	.	.	.	6180.8	820.0	.	.
827	16JAN83	.	.	.	.	.	.	.	.	.	6180.4	836.0	.	.
828	17JAN83	.	.	.	.	.	.	.	.	.	6180.4	855.0	.	.
829	18JAN83	.	.	.	.	.	.	.	.	.	6179.8	890.0	.	.
830	19JAN83	.	.	.	.	.	.	.	.	.	6179.5	1000.0	.	.
831	20JAN83	.	.	.	.	.	.	.	.	.	6179.5	995.0	.	.
832	21JAN83	.	.	.	.	.	.	.	.	.	6179.3	991.0	.	.
833	22JAN83	.	.	.	.	.	.	.	.	.	6179.6	900.0	.	.
834	23JAN83	.	.	.	.	.	.	.	.	.	6180.2	912.0	.	.
835	24JAN83	.	.	.	.	.	.	.	.	.	6180.0	914.0	.	.
836	25JAN83	.	.	.	.	.	.	.	.	.	6180.1	928.0	.	.
837	26JAN83	.	.	.	.	.	.	.	.	.	6180.0	923.0	.	.
838	27JAN83	.	.	.	.	.	.	.	.	.	6180.0	933.0	.	.
839	28JAN83	.	.	.	.	.	.	.	.	.	6179.9	937.0	.	.
840	29JAN83	.	.	.	.	.	.	.	.	.	6180.0	963.0	.	.
841	30JAN83	.	.	.	.	.	.	.	.	.	6180.5	976.0	.	.
842	31JAN83	.	.	.	.	.	.	.	.	.	6180.0	939.0	.	.
843	01FEB83	.	.	.	.	.	.	.	.	.	6180.0	953.0	.	.
844	02FEB83	.	.	.	.	.	.	.	.	.	6180.0	946.0	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=MINE

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
845	03FEB83	.	.	.	.	.	.	.	.	.	6180.0	967.0	.	.
846	04FEB83	.	.	.	.	.	.	.	.	.	6180.0	978.0	.	.
847	05FEB83	.	.	.	.	.	.	.	.	.	6180.3	980.0	.	.
848	06FEB83	.	.	.	.	.	.	.	.	.	6179.8	962.0	.	.
849	07FEB83	.	.	.	.	.	.	.	.	.	6179.9	979.0	.	.
850	08FEB83	.	.	.	.	.	.	.	.	.	6180.2	942.0	.	.
851	09FEB83	.	.	.	.	.	.	.	.	.	6179.7	993.0	.	.
852	10FEB83	.	.	.	.	.	.	.	.	.	6180.4	971.0	.	.
853	11FEB83	.	.	.	.	.	.	.	.	.	6182.0	972.0	.	.
854	12FEB83	.	.	.	.	.	.	.	.	.	6182.0	970.0	.	.
855	13FEB83	.	.	.	.	.	.	.	.	.	6182.0	977.0	.	.
856	14FEB83	.	.	.	.	.	.	.	.	.	6181.9	996.0	.	.
857	15FEB83	.	.	.	.	.	.	.	.	.	6182.2	996.0	.	.
858	16FEB83	.	.	.	.	.	.	.	.	.	6182.0	987.0	.	.
859	17FEB83	.	.	.	.	.	.	.	.	.	6181.9	994.0	.	.
860	18FEB83	.	.	.	.	.	.	.	.	.	6182.2	1051.0	.	.
861	19FEB83	.	.	.	.	.	.	.	.	.	6182.0	973.0	.	.
862	20FEB83	.	.	.	.	.	.	.	.	.	6182.0	973.0	.	.
863	21FEB83	.	.	.	.	.	.	.	.	.	6182.1	973.0	.	.
864	22FEB83	.	.	.	.	.	.	.	.	.	6182.1	973.0	.	.
865	23FEB83	.	.	.	.	.	.	.	.	.	6182.2	1025.0	.	.
866	24FEB83	.	.	.	.	.	.	.	.	.	6182.1	1025.0	.	.
867	25FEB83	.	.	.	.	.	.	.	.	.	6182.1	1025.0	.	.
868	26FEB83	.	.	.	.	.	.	.	.	.	6181.8	1021.0	.	.
869	27FEB83	.	.	.	.	.	.	.	.	.	6181.8	1048.0	.	.
870	28FEB83	.	.	.	.	.	.	.	.	.	6181.9	1028.0	.	.
871	01MAR83	.	.	.	.	.	.	.	.	.	6182.0	1028.0	.	.
872	02MAR83	.	.	.	.	.	.	.	.	.	6181.9	1039.0	.	.
873	03MAR83	.	.	.	.	.	.	.	.	.	6182.2	1084.0	.	.
874	04MAR83	.	.	.	.	.	.	.	.	.	6181.9	1091.0	.	.
875	05MAR83	.	.	.	.	.	.	.	.	.	6181.9	1103.0	.	.
876	06MAR83	.	.	.	.	.	.	.	.	.	6182.0	1076.0	.	.
877	07MAR83	.	.	.	.	.	.	.	.	.	6182.0	980.0	.	.
878	08MAR83	.	.	.	.	.	.	.	.	.	6182.0	940.0	.	.
879	09MAR83	.	.	.	.	.	.	.	.	.	6182.1	730.9	.	.
880	10MAR83	.	.	.	.	.	.	.	.	.	6182.0	730.0	.	.
881	11MAR83	.	.	.	.	.	.	.	.	.	6182.2	1079.0	.	.
882	12MAR83	.	.	.	.	.	.	.	.	.	6182.4	983.0	.	.
883	13MAR83	.	.	.	.	.	.	.	.	.	6182.0	960.0	.	.
884	14MAR83	.	.	.	.	.	.	.	.	.	6182.2	1007.0	.	.
885	15MAR83	.	.	.	.	.	.	.	.	.	6182.0	1042.0	.	.
886	16MAR83	.	.	.	.	.	.	.	.	.	6181.9	1016.0	.	.
887	17MAR83	.	.	.	.	.	.	.	.	.	6181.9	1045.0	.	.
888	18MAR83	.	.	.	.	.	.	.	.	.	6181.9	1072.0	.	.
889	19MAR83	.	.	.	.	.	.	.	.	.	6182.2	1018.0	.	.
890	20MAR83	.	.	.	.	.	.	.	.	.	6182.2	1009.0	.	.
891	21MAR83	.	.	.	.	.	.	.	.	.	6182.3	983.0	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=MINE

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
892	22MAR83	.	.	.	.	.	.	.	.	.	6181.8	949	.	.
893	23MAR83	.	.	.	.	.	.	.	.	.	6182.2	903	.	.
894	24MAR83	.	.	.	.	.	.	.	.	.	6182.0	960	.	.
895	25MAR83	.	.	.	.	.	.	.	.	.	6182.1	987	.	.
896	26MAR83	.	.	.	.	.	.	.	.	.	6181.9	966	.	.
897	27MAR83	.	.	.	.	.	.	.	.	.	6182.1	944	.	.
898	28MAR83	.	.	.	.	.	.	.	.	.	6182.2	950	.	.
899	29MAR83	.	.	.	.	.	.	.	.	.	6182.0	952	.	.
900	30MAR83	.	.	.	.	.	.	.	.	.	6182.1	950	.	.
901	31MAR83	.	.	.	.	.	.	.	.	.	6182.1	957	.	.
902	01APR83	.	.	.	.	.	.	.	.	.	6181.8	953	.	.
903	02APR83	.	.	.	.	.	.	.	.	.	6182.1	954	.	.
904	03APR83	.	.	.	.	.	.	.	.	.	6182.0	960	.	.
905	04APR83	.	.	.	.	.	.	.	.	.	6182.2	953	.	.
906	05APR83	.	.	.	.	.	.	.	.	.	6182.1	953	.	.
907	06APR83	.	.	.	.	.	.	.	.	.	6181.9	955	.	.
908	07APR83	.	.	.	.	.	.	.	.	.	6182.2	953	.	.
909	08APR83	.	.	.	.	.	.	.	.	.	6182.0	958	.	.
910	09APR83	.	.	.	.	.	.	.	.	.	6182.1	955	.	.
911	10APR83	.	.	.	.	.	.	.	.	.	6182.0	966	.	.
912	11APR83	.	.	.	.	.	.	.	.	.	6182.0	966	.	.
913	12APR83	.	.	.	.	.	.	.	.	.	6181.9	966	.	.
914	13APR83	.	.	.	.	.	.	.	.	.	6182.0	966	.	.
915	14APR83	.	.	.	.	.	.	.	.	.	6182.2	959	.	.
916	15APR83	.	.	.	.	.	.	.	.	.	6182.1	943	.	.
917	16APR83	.	.	.	.	.	.	.	.	.	6182.0	960	.	.
918	17APR83	.	.	.	.	.	.	.	.	.	6182.1	964	.	.
919	18APR83	.	.	.	.	.	.	.	.	.	6182.1	960	.	.
920	19APR83	.	.	.	.	.	.	.	.	.	6182.1	960	.	.
921	20APR83	.	.	.	.	.	.	.	.	.	6182.4	968	.	.
922	21APR83	.	.	.	.	.	.	.	.	.	6182.0	973	.	.
923	22APR83	.	.	.	.	.	.	.	.	.	6182.1	969	.	.
924	23APR83	.	.	.	.	.	.	.	.	.	6182.0	969	.	.
925	24APR83	.	.	.	.	.	.	.	.	.	6182.0	974	.	.
926	25APR83	.	.	.	.	.	.	.	.	.	6182.1	974	.	.
927	26APR83	.	.	.	.	.	.	.	.	.	6181.9	975	.	.
928	27APR83	.	.	.	.	.	.	.	.	.	6181.9	971	.	.
929	28APR83	.	.	.	.	.	.	.	.	.	6182.1	969	.	.
930	29APR83	.	.	.	.	.	.	.	.	.	6182.2	971	.	.
931	30APR83	.	.	.	.	.	.	.	.	.	6182.8	968	.	.
932	01MAY83	.	.	.	.	.	.	.	.	.	6182.0	969	.	.
933	02MAY83	.	.	.	.	.	.	.	.	.	6181.1	963	.	.
934	03MAY83	.	.	.	.	.	.	.	.	.	6181.1	963	.	.
935	04MAY83	.	.	.	.	.	.	.	.	.	6182.0	970	.	.
936	05MAY83	.	.	.	.	.	.	.	.	.	6182.0	970	.	.
937	06MAY83	.	.	.	.	.	.	.	.	.	6181.8	959	.	.
938	07MAY83	.	.	.	.	.	.	.	.	.	6181.9	965	.	.

RIO BLANCO OIL SHALE COMPANY
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MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=MINE

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
939	08MAY83	.	.	.	.	.	.	.	.	.	6182.1	973	.	.
940	09MAY83	.	.	.	.	.	.	.	.	.	6182.0	973	.	.
941	10MAY83	.	.	.	.	.	.	.	.	.	6181.9	951	.	.
942	11MAY83	.	.	.	.	.	.	.	.	.	6182.1	961	.	.
943	12MAY83	.	.	.	.	.	.	.	.	.	6182.0	955	.	.
944	13MAY83	.	.	.	.	.	.	.	.	.	6182.0	954	.	.
945	14MAY83	.	.	.	.	.	.	.	.	.	6182.2	948	.	.
946	15MAY83	.	.	.	.	.	.	.	.	.	6182.1	954	.	.
947	16MAY83	.	.	.	.	.	.	.	.	.	6182.2	960	.	.
948	17MAY83	.	.	.	.	.	.	.	.	.	6181.9	960	.	.
949	18MAY83	.	.	.	.	.	.	.	.	.	6182.1	962	.	.
950	19MAY83	.	.	.	.	.	.	.	.	.	6182.0	971	.	.
951	20MAY83	.	.	.	.	.	.	.	.	.	6182.1	978	.	.
952	21MAY83	.	.	.	.	.	.	.	.	.	6182.1	979	.	.
953	22MAY83	.	.	.	.	.	.	.	.	.	6182.1	980	.	.
954	23MAY83	.	.	.	.	.	.	.	.	.	6182.1	983	.	.
955	24MAY83	.	.	.	.	.	.	.	.	.	6182.4	984	.	.
956	25MAY83	.	.	.	.	.	.	.	.	.	6182.0	991	.	.
957	26MAY83	.	.	.	.	.	.	.	.	.	6181.9	979	.	.
958	27MAY83	.	.	.	.	.	.	.	.	.	6181.9	991	.	.
959	28MAY83	.	.	.	.	.	.	.	.	.	6182.1	997	.	.
960	29MAY83	.	.	.	.	.	.	.	.	.	6182.1	1009	.	.
961	30MAY83	.	.	.	.	.	.	.	.	.	6182.1	1025	.	.
962	31MAY83	.	.	.	.	.	.	.	.	.	6182.3	1032	.	.
963	01JUN83	.	.	.	.	.	.	.	.	.	6182.3	1018	.	.
964	02JUN83	.	.	.	.	.	.	.	.	.	6182.1	994	.	.
965	03JUN83	.	.	.	.	.	.	.	.	.	6182.1	1039	.	.
966	04JUN83	.	.	.	.	.	.	.	.	.	6182.1	1029	.	.
967	05JUN83	.	.	.	.	.	.	.	.	.	6182.0	1039	.	.
968	06JUN83	.	.	.	.	.	.	.	.	.	6182.2	1062	.	.
969	07JUN83	.	.	.	.	.	.	.	.	.	6182.2	1081	.	.
970	08JUN83	.	.	.	.	.	.	.	.	.	6180.5	1090	.	.
971	09JUN83	.	.	.	.	.	.	.	.	.	6176.1	1125	.	.
972	24JUN83	.	.	.	.	.	.	.	.	.	6176.2	1136	.	.
973	25JUN83	.	.	.	.	.	.	.	.	.	6176.2	1268	.	.
974	26JUN83	.	.	.	.	.	.	.	.	.	6176.1	1293	.	.
975	27JUN83	.	.	.	.	.	.	.	.	.	6176.2	1306	.	.
976	28JUN83	.	.	.	.	.	.	.	.	.	6176.1	1349	.	.
977	29JUN83	.	.	.	.	.	.	.	.	.	6176.1	1339	.	.
978	30JUN83	.	.	.	.	.	.	.	.	.	6176.0	1356	.	.
979	01JUL83	.	.	.	.	.	.	.	.	.	6176.2	1362	.	.
980	02JUL83	.	.	.	.	.	.	.	.	.	6176.2	1387	.	.
981	03JUL83	.	.	.	.	.	.	.	.	.	6176.2	1403	.	.
982	04JUL83	.	.	.	.	.	.	.	.	.	6176.2	1410	.	.
983	05JUL83	.	.	.	.	.	.	.	.	.	6176.0	1430	.	.
984	06JUL83	.	.	.	.	.	.	.	.	.	6176.0	1442	.	.
985	07JUL83	.	.	.	.	.	.	.	.	.	6176.0	1455	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=MINE

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
986	08JUL83	.	.	.	.	.	.	.	.	.	6176.2	1471	.	.
987	09JUL83	.	.	.	.	.	.	.	.	.	6175.9	1485	.	.
988	10JUL83	.	.	.	.	.	.	.	.	.	6175.9	1502	.	.
989	11JUL83	.	.	.	.	.	.	.	.	.	6176.1	1515	.	.
990	12JUL83	.	.	.	.	.	.	.	.	.	6176.9	1528	.	.
991	13JUL83	.	.	.	.	.	.	.	.	.	6176.0	1553	.	.
992	14JUL83	.	.	.	.	.	.	.	.	.	6176.1	1569	.	.
993	15JUL83	.	.	.	.	.	.	.	.	.	6176.1	1557	.	.
994	16JUL83	.	.	.	.	.	.	.	.	.	6176.0	1593	.	.
995	17JUL83	.	.	.	.	.	.	.	.	.	6176.1	1638	.	.
996	18JUL83	.	.	.	.	.	.	.	.	.	6176.1	1603	.	.
997	19JUL83	.	.	.	.	.	.	.	.	.	6176.1	1605	.	.
998	20JUL83	.	.	.	.	.	.	.	.	.	6176.0	1619	.	.
999	21JUL83	.	.	.	.	.	.	.	.	.	6176.0	1616	.	.
1000	22JUL83	.	.	.	.	.	.	.	.	.	6176.0	1620	.	.
1001	23JUL83	.	.	.	.	.	.	.	.	.	6176.1	1658	.	.
1002	24JUL83	.	.	.	.	.	.	.	.	.	6176.1	1638	.	.
1003	25JUL83	.	.	.	.	.	.	.	.	.	6176.3	1643	.	.
1004	26JUL83	.	.	.	.	.	.	.	.	.	6176.3	1649	.	.
1005	27JUL83	.	.	.	.	.	.	.	.	.	6175.9	1665	.	.
1006	29JUL83	.	.	.	.	.	.	.	.	.	6175.9	1655	.	.
1007	30JUL83	.	.	.	.	.	.	.	.	.	6175.9	1675	.	.
1008	31JUL83	.	.	.	.	.	.	.	.	.	6175.9	1674	.	.
1009	01AUG83	.	.	.	.	.	.	.	.	.	6175.9	1611	.	.
1010	02AUG83	.	.	.	.	.	.	.	.	.	6175.9	1779	.	.
1011	03AUG83	.	.	.	.	.	.	.	.	.	6176.1	1690	.	.
1012	04AUG83	.	.	.	.	.	.	.	.	.	6175.9	1704	.	.
1013	05AUG83	.	.	.	.	.	.	.	.	.	6176.0	1697	.	.
1014	06AUG83	.	.	.	.	.	.	.	.	.	6176.2	1701	.	.
1015	07AUG83	.	.	.	.	.	.	.	.	.	6175.1	1709	.	.
1016	08AUG83	.	.	.	.	.	.	.	.	.	6176.9	1720	.	.
1017	09AUG83	.	.	.	.	.	.	.	.	.	6176.3	1715	.	.
1018	10AUG83	.	.	.	.	.	.	.	.	.	6176.0	1725	.	.
1019	11AUG83	.	.	.	.	.	.	.	.	.	6176.9	1730	.	.
1020	12AUG83	.	.	.	.	.	.	.	.	.	6175.7	1717	.	.
1021	13AUG83	.	.	.	.	.	.	.	.	.	6175.8	1776	.	.
1022	14AUG83	.	.	.	.	.	.	.	.	.	6176.0	1748	.	.
1023	15AUG83	.	.	.	.	.	.	.	.	.	6176.0	1725	.	.
1024	16AUG83	.	.	.	.	.	.	.	.	.	6176.0	1729	.	.
1025	17AUG83	.	.	.	.	.	.	.	.	.	6176.0	1725	.	.
1026	18AUG83	.	.	.	.	.	.	.	.	.	6175.9	1722	.	.
1027	19AUG83	.	.	.	.	.	.	.	.	.	6175.6	1733	.	.
1028	20AUG83	.	.	.	.	.	.	.	.	.	6175.8	1721	.	.
1029	21AUG83	.	.	.	.	.	.	.	.	.	6175.9	1717	.	.
1030	22AUG83	.	.	.	.	.	.	.	.	.	6175.9	1715	.	.
1031	23AUG83	.	.	.	.	.	.	.	.	.	6176.0	1721	.	.
1032	24AUG83	.	.	.	.	.	.	.	.	.	6175.8	1715	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=MINE

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1033	25AUG83	.	.	.	.	.	.	.	.	.	6175.9	1707	.	.
1034	26AUG83	.	.	.	.	.	.	.	.	.	6175.8	1707	.	.
1035	27AUG83	.	.	.	.	.	.	.	.	.	6175.9	1705	.	.
1036	28AUG83	.	.	.	.	.	.	.	.	.	6175.9	1703	.	.
1037	29AUG83	.	.	.	.	.	.	.	.	.	6175.9	1699	.	.
1038	30AUG83	.	.	.	.	.	.	.	.	.	6175.4	1687	.	.
1039	31AUG83	.	.	.	.	.	.	.	.	.	6175.9	1685	.	.
1040	01SEP83	.	.	.	.	.	.	.	.	.	6176.0	1700	.	.
1041	02SEP83	.	.	.	.	.	.	.	.	.	6175.9	1700	.	.
1042	03SEP83	.	.	.	.	.	.	.	.	.	6176.1	1681	.	.
1043	04SEP83	.	.	.	.	.	.	.	.	.	6176.0	1699	.	.
1044	05SEP83	.	.	.	.	.	.	.	.	.	6175.8	1691	.	.
1045	06SEP83	.	.	.	.	.	.	.	.	.	6175.7	1685	.	.
1046	07SEP83	.	.	.	.	.	.	.	.	.	6175.8	1701	.	.
1047	08SEP83	.	.	.	.	.	.	.	.	.	6175.7	1691	.	.
1048	09SEP83	.	.	.	.	.	.	.	.	.	6176.0	1674	.	.
1049	10SEP83	.	.	.	.	.	.	.	.	.	6176.0	1680	.	.
1050	11SEP83	.	.	.	.	.	.	.	.	.	6176.0	1677	.	.
1051	12SEP83	.	.	.	.	.	.	.	.	.	6176.0	1687	.	.
1052	13SEP83	.	.	.	.	.	.	.	.	.	6176.0	1687	.	.
1053	14SEP83	.	.	.	.	.	.	.	.	.	6176.0	1687	.	.
1054	15SEP83	.	.	.	.	.	.	.	.	.	6176.0	1684	.	.
1055	16SEP83	.	.	.	.	.	.	.	.	.	6175.8	1681	.	.
1056	17SEP83	.	.	.	.	.	.	.	.	.	6175.8	1686	.	.
1057	18SEP83	.	.	.	.	.	.	.	.	.	6179.9	1686	.	.
1058	19SEP83	.	.	.	.	.	.	.	.	.	6175.0	1678	.	.
1059	20SEP83	.	.	.	.	.	.	.	.	.	6176.0	1667	.	.
1060	21SEP83	.	.	.	.	.	.	.	.	.	6176.0	1666	.	.
1061	22SEP83	.	.	.	.	.	.	.	.	.	6176.0	1668	.	.
1062	23SEP83	.	.	.	.	.	.	.	.	.	6175.9	1707	.	.
1063	24SEP83	.	.	.	.	.	.	.	.	.	6175.9	1678	.	.
1064	25SEP83	.	.	.	.	.	.	.	.	.	6175.9	1667	.	.
1065	26SEP83	.	.	.	.	.	.	.	.	.	6175.9	1676	.	.
1066	27SEP83	.	.	.	.	.	.	.	.	.	6176.0	1702	.	.
1067	28SEP83	.	.	.	.	.	.	.	.	.	6175.9	1669	.	.
1068	29SEP83	.	.	.	.	.	.	.	.	.	6176.1	1669	.	.
1069	30SEP83	.	.	.	.	.	.	.	.	.	6175.8	1666	.	.
1070	010CT83	.	.	.	.	.	.	.	.	.	6176.0	1674	.	.
1071	020CT83	.	.	.	.	.	.	.	.	.	6176.0	1664	.	.
1072	030CT83	.	.	.	.	.	.	.	.	.	6176.0	1675	.	.
1073	040CT83	.	.	.	.	.	.	.	.	.	6176.0	1672	.	.
1074	050CT83	.	.	.	.	.	.	.	.	.	6175.9	1669	.	.
1075	060CT83	.	.	.	.	.	.	.	.	.	6176.0	1676	.	.
1076	070CT83	.	.	.	.	.	.	.	.	.	6175.9	1680	.	.
1077	080CT83	.	.	.	.	.	.	.	.	.	6175.9	1678	.	.
1078	090CT83	.	.	.	.	.	.	.	.	.	6176.0	1680	.	.
1079	100CT83	.	.	.	.	.	.	.	.	.	6175.8	1678	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1080	110CT83	.	.	.	.	.	.	.	.	.	6175.8	1675	.	.
1081	120CT83	.	.	.	.	.	.	.	.	.	6175.9	1675	.	.
1082	130CT83	.	.	.	.	.	.	.	.	.	6176.2	1663	.	.
1083	140CT83	.	.	.	.	.	.	.	.	.	6175.8	1683	.	.
1084	150CT83	.	.	.	.	.	.	.	.	.	6176.0	1674	.	.
1085	160CT83	.	.	.	.	.	.	.	.	.	6176.3	1670	.	.
1086	170CT83	.	.	.	.	.	.	.	.	.	6176.0	1677	.	.
1087	180CT83	.	.	.	.	.	.	.	.	.	.	1569	.	.
1088	190CT83	.	.	.	.	.	.	.	.	.	6175.8	1516	.	.
1089	200CT83	.	.	.	.	.	.	.	.	.	6176.0	1601	.	.
1090	210CT83	.	.	.	.	.	.	.	.	.	6175.9	1494	.	.
1091	220CT83	.	.	.	.	.	.	.	.	.	6176.1	1518	.	.
1092	230CT83	.	.	.	.	.	.	.	.	.	6176.0	1506	.	.
1093	240CT83	.	.	.	.	.	.	.	.	.	6176.2	1505	.	.
1094	250CT83	.	.	.	.	.	.	.	.	.	6176.0	1518	.	.
1095	260CT83	.	.	.	.	.	.	.	.	.	6176.0	1513	.	.
1096	270CT83	.	.	.	.	.	.	.	.	.	6176.0	1527	.	.
1097	280CT83	.	.	.	.	.	.	.	.	.	6176.0	1500	.	.
1098	290CT83	.	.	.	.	.	.	.	.	.	6176.1	1490	.	.
1099	300CT83	.	.	.	.	.	.	.	.	.	6176.1	1499	.	.
1100	310CT83	.	.	.	.	.	.	.	.	.	6176.3	1497	.	.
1101	01NOV83	.	.	.	.	.	.	.	.	.	6175.9	1497	.	.
1102	02NOV83	.	.	.	.	.	.	.	.	.	6175.8	1494	.	.
1103	03NOV83	.	.	.	.	.	.	.	.	.	6166.0	1540	.	.
1104	04NOV83	.	.	.	.	.	.	.	.	.	6166.0	1494	.	.
1105	05NOV83	.	.	.	.	.	.	.	.	.	6165.9	1496	.	.
1106	06NOV83	.	.	.	.	.	.	.	.	.	6166.2	1498	.	.
1107	07NOV83	.	.	.	.	.	.	.	.	.	6166.1	1493	.	.
1108	08NOV83	.	.	.	.	.	.	.	.	.	6166.0	1496	.	.
1109	09NOV83	.	.	.	.	.	.	.	.	.	6166.0	1483	.	.
1110	10NOV83	.	.	.	.	.	.	.	.	.	6166.0	1483	.	.
1111	11NOV83	.	.	.	.	.	.	.	.	.	6166.0	1488	.	.
1112	12NOV83	.	.	.	.	.	.	.	.	.	6166.0	1480	.	.
1113	13NOV83	.	.	.	.	.	.	.	.	.	6159.9	1484	.	.
1114	14NOV83	.	.	.	.	.	.	.	.	.	6166.0	1486	.	.
1115	15NOV83	.	.	.	.	.	.	.	.	.	6166.0	1475	.	.
1116	16NOV83	.	.	.	.	.	.	.	.	.	6166.2	1474	.	.
1117	17NOV83	.	.	.	.	.	.	.	.	.	6166.1	1492	.	.
1118	02DEC83	.	.	.	.	.	.	.	.	.	6156.0	1497	.	.
1119	03DEC83	.	.	.	.	.	.	.	.	.	6156.0	1437	.	.
1120	04DEC83	.	.	.	.	.	.	.	.	.	6155.9	1432	.	.
1121	05DEC83	.	.	.	.	.	.	.	.	.	6156.0	1415	.	.
1122	06DEC83	.	.	.	.	.	.	.	.	.	6156.0	1413	.	.
1123	07DEC83	.	.	.	.	.	.	.	.	.	6155.9	1428	.	.
1124	08DEC83	.	.	.	.	.	.	.	.	.	6156.0	1423	.	.
1125	09DEC83	.	.	.	.	.	.	.	.	.	6156.0	1423	.	.
1126	10DEC83	.	.	.	.	.	.	.	.	.	6155.9	1421	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1127	11DEC83	.	.	.	.	.	.	.	.	.	6155.9	1412	.	.
1128	12DEC83	.	.	.	.	.	.	.	.	.	6159.9	1429	.	.
1129	13DEC83	.	.	.	.	.	.	.	.	.	6156.0	1410	.	.
1130	14DEC83	.	.	.	.	.	.	.	.	.	6156.0	1473	.	.
1131	15DEC83	.	.	.	.	.	.	.	.	.	6156.0	1434	.	.
1132	16DEC83	.	.	.	.	.	.	.	.	.	6156.0	1405	.	.
1133	17DEC83	.	.	.	.	.	.	.	.	.	6158.2	1390	.	.
1134	18DEC83	.	.	.	.	.	.	.	.	.	6156.0	1414	.	.
1135	19DEC83	.	.	.	.	.	.	.	.	.	6155.9	1402	.	.
1136	20DEC83	.	.	.	.	.	.	.	.	.	6156.0	1403	.	.
1137	21DEC83	.	.	.	.	.	.	.	.	.	6156.2	1397	.	.
1138	22DEC83	.	.	.	.	.	.	.	.	.	6155.9	1393	.	.
1139	23DEC83	.	.	.	.	.	.	.	.	.	6156.0	1387	.	.
1140	24DEC83	.	.	.	.	.	.	.	.	.	6155.9	1379	.	.
1141	25DEC83	.	.	.	.	.	.	.	.	.	6155.9	1377	.	.
1142	26DEC83	.	.	.	.	.	.	.	.	.	6156.0	1385	.	.
1143	27DEC83	.	.	.	.	.	.	.	.	.	6156.0	1391	.	.
1144	28DEC83	.	.	.	.	.	.	.	.	.	6156.0	1380	.	.
1145	29DEC83	.	.	.	.	.	.	.	.	.	6156.0	1374	.	.
1146	30DEC83	.	.	.	.	.	.	.	.	.	6156.0	1380	.	.
1147	31DEC83	.	.	.	.	.	.	.	.	.	6155.9	1371	.	.
1148	01JAN84	.	.	.	.	.	.	.	.	.	6155.9	1381	.	.
1149	02JAN84	.	.	.	.	.	.	.	.	.	6156.0	1369	.	.
1150	03JAN84	.	.	.	.	.	.	.	.	.	6156.0	1380	.	.
1151	04JAN84	.	.	.	.	.	.	.	.	.	6156.0	1374	.	.
1152	05JAN84	.	.	.	.	.	.	.	.	.	6156.0	1412	.	.
1153	06JAN84	.	.	.	.	.	.	.	.	.	6156.0	1382	.	.
1154	07JAN84	.	.	.	.	.	.	.	.	.	6156.0	1381	.	.
1155	08JAN84	.	.	.	.	.	.	.	.	.	6156.0	1375	.	.
1156	09JAN84	.	.	.	.	.	.	.	.	.	6156.1	1378	.	.
1157	10JAN84	.	.	.	.	.	.	.	.	.	6156.1	1376	.	.
1158	11JAN84	.	.	.	.	.	.	.	.	.	6155.9	1381	.	.
1159	12JAN84	.	.	.	.	.	.	.	.	.	6156.0	1372	.	.
1160	13JAN84	.	.	.	.	.	.	.	.	.	6156.0	1376	.	.
1161	14JAN84	.	.	.	.	.	.	.	.	.	6155.8	1374	.	.
1162	15JAN84	.	.	.	.	.	.	.	.	.	6155.9	1365	.	.
1163	16JAN84	.	.	.	.	.	.	.	.	.	6155.9	1366	.	.
1164	17JAN84	.	.	.	.	.	.	.	.	.	6156.0	1368	.	.
1165	18JAN84	.	.	.	.	.	.	.	.	.	6156.0	1356	.	.
1166	19JAN84	.	.	.	.	.	.	.	.	.	6156.0	1359	.	.
1167	20JAN84	.	.	.	.	.	.	.	.	.	6156.0	1390	.	.
1168	21JAN84	.	.	.	.	.	.	.	.	.	6156.0	1469	.	.
1169	22JAN84	.	.	.	.	.	.	.	.	.	6156.0	1479	.	.
1170	23JAN84	.	.	.	.	.	.	.	.	.	6156.0	1481	.	.
1171	24JAN84	.	.	.	.	.	.	.	.	.	6155.0	1492	.	.
1172	25JAN84	.	.	.	.	.	.	.	.	.	6156.1	1492	.	.
1173	26JAN84	.	.	.	.	.	.	.	.	.	6155.8	1513	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1174	27JAN84	.	.	.	.	.	.	.	.	.	6156.0	1501	.	.
1175	28JAN84	.	.	.	.	.	.	.	.	.	6155.9	1509	.	.
1176	29JAN84	.	.	.	.	.	.	.	.	.	6155.9	1512	.	.
1177	30JAN84	.	.	.	.	.	.	.	.	.	6155.9	1511	.	.
1178	31JAN84	.	.	.	.	.	.	.	.	.	6155.9	1514	.	.
1179	01FEB84	.	.	.	.	.	.	.	.	.	6155.9	1509	.	.
1180	02FEB84	.	.	.	.	.	.	.	.	.	6156.0	1493	.	.
1181	03FEB84	.	.	.	.	.	.	.	.	.	6155.9	1492	.	.
1182	04FEB84	.	.	.	.	.	.	.	.	.	6155.9	1491	.	.
1183	05FEB84	.	.	.	.	.	.	.	.	.	6155.9	1490	.	.
1184	06FEB84	.	.	.	.	.	.	.	.	.	6155.9	1488	.	.
1185	07FEB84	.	.	.	.	.	.	.	.	.	6156.0	1486	.	.
1186	08FEB84	.	.	.	.	.	.	.	.	.	6155.9	1483	.	.
1187	09FEB84	.	.	.	.	.	.	.	.	.	6155.9	1485	.	.
1188	10FEB84	.	.	.	.	.	.	.	.	.	6156.0	1483	.	.
1189	11FEB84	.	.	.	.	.	.	.	.	.	6156.0	1485	.	.
1190	12FEB84	.	.	.	.	.	.	.	.	.	6156.0	1477	.	.
1191	13FEB84	.	.	.	.	.	.	.	.	.	6156.0	1478	.	.
1192	14FEB84	.	.	.	.	.	.	.	.	.	6156.0	1480	.	.
1193	15FEB84	.	.	.	.	.	.	.	.	.	6156.0	1467	.	.
1194	16FEB84	.	.	.	.	.	.	.	.	.	6156.1	1471	.	.
1195	17FEB84	.	.	.	.	.	.	.	.	.	6155.9	1474	.	.
1196	18FEB84	.	.	.	.	.	.	.	.	.	6155.9	1465	.	.
1197	19FEB84	.	.	.	.	.	.	.	.	.	6155.9	1443	.	.
1198	20FEB84	.	.	.	.	.	.	.	.	.	6156.0	1458	.	.
1199	21FEB84	.	.	.	.	.	.	.	.	.	6156.0	1456	.	.
1200	22FEB84	.	.	.	.	.	.	.	.	.	6155.9	1459	.	.
1201	23FEB84	.	.	.	.	.	.	.	.	.	6156.1	1447	.	.
1202	24FEB84	.	.	.	.	.	.	.	.	.	6156.2	1447	.	.
1203	25FEB84	.	.	.	.	.	.	.	.	.	6155.8	1458	.	.
1204	26FEB84	.	.	.	.	.	.	.	.	.	6156.0	1447	.	.
1205	27FEB84	.	.	.	.	.	.	.	.	.	6155.8	1448	.	.
1206	28FEB84	.	.	.	.	.	.	.	.	.	6156.0	1446	.	.
1207	29FEB84	.	.	.	.	.	.	.	.	.	6156.1	1448	.	.
1208	01MAR84	1550	15.5	7.7	-1	-0.1	.	.	.	.	6155.9	1447	.	.
1209	02MAR84	1500	15.5	7.6	-1	-0.1	.	.	.	.	6155.9	1441	.	.
1210	03MAR84	1550	15.5	7.5	-1	-0.1	.	.	.	.	6156.0	1440	.	.
1211	04MAR84	1550	15.6	7.5	-1	-0.1	.	.	.	.	6155.9	1442	.	.
1212	05MAR84	1550	15.5	7.5	-1	-0.1	.	.	.	.	6156.0	1434	.	.
1213	06MAR84	1500	15.5	7.4	-1	-0.1	.	.	.	.	6156.0	1434	.	.
1214	07MAR84	1550	15.5	7.4	-1	-0.1	.	.	.	.	6156.0	1435	.	.
1215	08MAR84	1550	15.5	7.4	-1	2.3	.	.	-0.1	8	6156.0	1429	.	.
1216	09MAR84	1500	15.5	7.4	-1	1.8	.	.	.	.	6155.9	1435	.	.
1217	10MAR84	1550	16.0	7.5	-1	1.9	.	.	.	.	6155.9	1444	.	.
1218	11MAR84	1600	16.0	7.5	-1	1.8	.	.	.	.	6155.9	1440	.	.
1219	12MAR84	1550	16.0	7.4	-1	1.9	.	.	.	.	6155.9	1428	.	.
1220	13MAR84	1550	15.7	7.4	-1	0.9	.	.	.	.	6155.9	1391	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1221	14MAR84	1550	15.5	7.4	-1.0	1.1	.	.	.	9	6155.9	1428	.	.
1222	15MAR84	1550	15.7	7.5	-1.0	0.8	.	.	.	.	6155.9	1424	.	.
1223	16MAR84	.	.	.	.	.	.	.	.	.	6155.8	1430	.	.
1224	17MAR84	1600	15.7	7.4	-1.0	0.8	.	.	.	.	6155.2	1426	.	.
1225	18MAR84	1600	15.7	7.5	-1.0	0.8	.	.	.	.	6155.8	1426	.	.
1226	19MAR84	1500	15.7	7.5	-1.0	0.7	.	.	.	.	6156.0	1420	.	.
1227	20MAR84	1600	15.7	7.5	-1.0	0.7	.	.	.	.	6156.0	1416	.	.
1228	21MAR84	.	.	.	.	.	.	.	.	.	6156.2	1421	.	.
1229	22MAR84	1550	15.7	7.5	-1.0	0.6	.	.	-0.1	10	6155.9	1422	.	.
1230	23MAR84	1500	15.5	7.5	-1.0	0.7	.	.	.	.	6155.9	1418	.	.
1231	24MAR84	1500	15.5	7.5	1.0	0.8	.	.	.	.	6155.9	1417	.	.
1232	25MAR84	1600	15.5	7.6	1.0	0.8	.	.	.	.	6155.9	1419	.	.
1233	26MAR84	1600	15.6	7.5	1.0	0.8	.	.	.	.	6155.9	1426	.	.
1234	27MAR84	1550	15.6	7.5	1.0	0.8	.	.	.	.	6155.9	1422	.	.
1235	28MAR84	1550	15.8	7.5	1.3	0.8	.	.	.	.	6155.9	1415	.	.
1236	29MAR84	1600	15.8	7.6	1.1	0.9	.	-1	-0.1	8	6156.0	1419	.	.
1237	30MAR84	1600	15.7	7.5	1.0	0.9	.	.	.	.	6156.0	1419	.	.
1238	31MAR84	.	.	.	.	.	.	.	.	.	6155.9	1423	.	.
1239	01APR84	1550	15.5	7.6	1.2	0.8	.	.	.	.	6156.0	1412	.	.
1240	02APR84	1600	15.5	7.5	1.0	0.7	.	.	.	.	6155.9	1423	.	.
1241	03APR84	1600	15.5	7.6	-1.0	0.9	.	.	.	.	6155.9	1406	.	.
1242	04APR84	1550	15.6	7.6	1.0	0.8	.	.	.	.	6156.0	1413	.	.
1243	05APR84	1600	15.5	7.4	1.2	0.7	.	-1	-0.1	10	6156.0	1409	.	.
1244	06APR84	.	.	.	.	.	.	.	.	.	6157.2	1399	.	.
1245	07APR84	.	.	.	.	.	.	.	.	.	6156.1	1411	.	.
1246	08APR84	.	.	.	.	.	.	.	.	.	6156.1	1405	.	.
1247	09APR84	1550	15.5	7.6	1.2	0.8	.	.	.	.	6155.9	1415	.	.
1248	10APR84	1550	15.6	7.4	-1.0	0.9	.	.	.	.	6155.9	1407	.	.
1249	11APR84	1550	15.6	7.3	-1.0	1.0	.	.	.	.	6155.8	1413	.	.
1250	12APR84	1600	15.6	7.4	-1.0	1.2	.	-1	-0.1	15	6155.9	1404	.	.
1251	13APR84	1600	15.5	7.4	-1.0	1.0	.	.	.	.	6155.9	1391	.	.
1252	14APR84	1550	15.2	7.6	-1.0	1.0	.	.	.	.	6156.2	1404	.	.
1253	15APR84	1600	15.3	7.6	-1.0	0.9	.	.	.	.	6156.1	1408	.	.
1254	16APR84	1550	15.6	7.6	-1.0	1.0	.	.	.	.	6156.1	1407	.	.
1255	17APR84	1600	15.6	7.5	-1.0	1.3	.	.	.	.	6156.0	1413	.	.
1256	18APR84	1600	15.5	7.4	-1.0	1.4	.	.	.	.	6155.8	1390	.	.
1257	19APR84	1550	15.5	7.4	-1.0	1.1	.	-1	-0.1	15	6155.8	1405	.	.
1258	20APR84	1500	15.6	7.4	-1.0	1.2	.	.	.	.	6155.8	1407	.	.
1259	21APR84	1500	15.5	7.5	-1.0	0.9	.	.	.	.	6155.9	1393	.	.
1260	22APR84	1600	15.7	7.6	-1.0	0.9	.	.	.	.	6155.8	1394	.	.
1261	23APR84	1600	15.6	7.6	-1.0	0.9	.	.	.	.	6156.0	1396	.	.
1262	24APR84	1600	15.7	7.5	-1.0	1.0	.	.	.	.	6156.0	1401	.	.
1263	25APR84	1550	15.5	7.6	-1.0	1.0	.	.	.	.	6156.0	1405	.	.
1264	26APR84	1550	15.5	7.5	-1.0	1.0	.	-1	-0.1	10	6155.8	1428	.	.
1265	27APR84	1600	15.5	7.5	-1.0	1.1	.	.	.	.	6155.9	1386	.	.
1266	28APR84	1550	15.5	7.6	-1.0	1.2	.	.	.	.	6155.9	1388	.	.
1267	29APR84	1550	15.6	7.6	-1.0	0.7	.	.	.	.	6156.0	1405	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1268	30APR84	1600	15.5	7.5	-1	0.8	.	.	.	.	6160.1	1373	.	.
1269	01MAY84	1550	15.3	7.5	-1	1.1	.	.	.	.	6156.1	1429	.	.
1270	02MAY84	1550	15.2	7.5	-1	2.8	.	.	.	.	6155.9	1383	.	.
1271	03MAY84	1550	15.3	7.4	-1	3.2	.	-1	-0.1	8	6156.0	1404	.	.
1272	04MAY84	1550	15.3	7.5	-1	2.7	.	.	.	.	6156.0	1416	.	.
1273	05MAY84	1500	15.3	7.5	-1	2.4	.	.	.	.	6155.9	1408	.	.
1274	06MAY84	1500	15.3	7.5	-1	2.5	.	.	.	.	6156.0	1408	.	.
1275	07MAY84	1550	15.3	7.4	-1	2.4	.	.	.	.	6156.0	1409	.	.
1276	08MAY84	1600	15.3	7.6	-1	2.7	.	.	.	.	6155.9	1415	.	.
1277	09MAY84	1500	15.3	7.6	-1	2.4	.	.	.	.	6162.8	1390	.	.
1278	10MAY84	1550	15.5	7.5	-1	3.2	.	-1	-0.1	10	6168.0	1372	.	.
1279	11MAY84	.	.	.	.	.	.	.	.	.	6172.7	1394	.	.
1280	12MAY84	1600	15.5	7.6	-1	2.7	.	.	.	.	6177.0	1392	.	.
1281	13MAY84	1600	15.5	7.7	-1	2.5	.	.	.	.	6181.4	1404	.	.
1282	14MAY84	1600	15.5	7.7	-1	2.5	.	.	.	.	6185.4	1414	.	.
1283	15MAY84	1550	15.5	7.7	-1	1.6	.	.	.	.	6189.0	1418	.	.
1284	16MAY84	1600	15.5	7.7	-1	1.5	.	.	.	.	6193.3	1425	.	.
1285	17MAY84	1550	15.4	7.7	-1	2.5	.	-1	-0.1	10	6195.9	1426	.	.
1286	18MAY84	1500	15.3	7.8	-1	2.5	.	.	.	.	6204.7	1416	.	.
1287	19MAY84	1500	15.5	7.6	-1	1.4	.	.	.	.	6209.3	1437	.	.
1288	20MAY84	1550	15.4	7.7	-1	1.7	.	.	.	.	6213.4	1446	.	.
1289	21MAY84	1550	15.4	7.8	-1	1.6	.	.	.	.	6217.4	1420	.	.
1290	22MAY84	1550	15.3	7.7	-1	1.8	.	.	.	.	6223.2	1453	.	.
1291	23MAY84	1600	15.4	7.8	-1	1.7	.	.	.	.	6227.8	1466	.	.
1292	24MAY84	.	.	.	.	.	.	.	.	.	6238.8	0	.	.
1293	25MAY84	.	.	.	.	.	.	.	.	.	6255.1	22	.	.
1294	26MAY84	1550	15.8	7.6	-1	1.5	.	.	.	.	6255.3	1483	.	.
1295	27MAY84	1600	15.5	7.5	-1	1.6	.	.	.	.	6257.6	1461	.	.
1296	28MAY84	1600	16.0	7.5	-1	1.6	.	.	.	.	6257.6	1374	.	.
1297	29MAY84	1650	15.8	7.6	-1	1.8	.	.	.	.	6263.1	1221	.	.
1298	30MAY84	1650	15.8	7.5	-1	1.8	.	.	.	.	6268.9	1226	.	.
1299	31MAY84	1650	15.3	7.4	-1	2.6	.	-1	-0.1	14	6277.0	1146	.	.
1300	01JUN84	1650	15.2	7.3	-1	2.0	.	.	.	.	6282.7	1176	.	.
1301	02JUN84	1650	15.3	7.3	-1	1.8	.	.	.	.	6286.7	1457	.	.
1302	03JUN84	1700	15.4	7.3	-1	1.6	.	.	.	.	6291.4	1465	.	.
1303	04JUN84	1700	15.4	7.4	-1	1.6	.	.	.	.	6296.3	1463	.	.
1304	05JUN84	1650	15.3	7.3	-1	2.2	.	.	.	.	6301.8	1451	.	.
1305	06JUN84	1700	15.3	7.4	-1	2.0	.	.	.	.	6308.0	1325	.	.
1306	07JUN84	1750	15.3	7.3	-1	1.5	-1	-1	-0.1	45	6326.2	1118	.	.
1307	08JUN84	1750	15.3	7.4	-1	1.3	.	.	.	.	6343.8	1046	.	.
1308	09JUN84	1800	15.5	7.3	-1	1.3	.	.	.	.	6356.2	1096	.	.
1309	10JUN84	1800	15.5	7.3	-1	1.3	.	.	.	.	6368.3	1021	.	.
1310	11JUN84	1750	15.4	7.5	-1	1.3	.	.	.	.	6383.7	823	.	.
1311	12JUN84	1900	15.4	7.4	-1	1.3	.	.	.	.	6415.3	493	.	.
1312	13JUN84	.	.	.	.	.	.	.	.	.	6423.9	0	.	.
1313	14JUN84	.	.	.	.	.	.	.	.	.	6437.6	0	.	.
1314	15JUN84	1800	15.6	7.4	-1	1.3	-1	-1	-0.1	15	6444.6	463	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1315	16JUN84	1850	15.7	7.4	-1	1.3	.	.	.	.	6447.5	693	.	.
1316	17JUN84	1875	17.5	7.3	-1	1.3	.	.	.	.	6450.0	407	.	.
1317	18JUN84	1900	15.6	7.4	-1	1.3	.	.	.	.	6463.9	521	.	.
1318	19JUN84	1950	15.7	7.4	-1	1.2	.	-1	-0.1	15	6467.7	609	.	.
1319	20JUN84	2050	15.6	7.3	-1	1.3	.	.	.	.	6480.2	517	.	.
1320	21JUN84	2200	15.6	7.3	-1	1.2	.	.	.	.	6493.0	498	.	.
1321	22JUN84	.	.	.	.	.	.	.	.	.	6516.7	225	.	.
1322	23JUN84	.	.	.	.	.	.	.	.	.	6538.4	0	.	.
1323	24JUN84	.	.	.	.	.	.	.	.	.	6555.3	0	.	.
1324	25JUN84	.	.	.	.	.	.	.	.	.	6564.2	20	.	.
1325	26JUN84	2113	18.0	7.5	-1	1.1	.	2	-0.1	8	6571.4	0	.	.
1326	27JUN84	.	.	.	.	.	.	.	.	.	6576.8	0	.	.
1327	28JUN84	.	.	.	.	.	.	.	.	.	6582.4	0	.	.
1328	29JUN84	.	.	.	.	.	.	.	.	.	6588.8	0	.	.
1329	30JUN84	.	.	.	.	.	.	.	.	.	6594.0	0	.	.
1330	01JUL84	.	.	.	.	.	.	.	.	.	6598.7	0	.	.
1331	02JUL84	.	.	.	.	.	.	.	.	.	6603.5	0	.	.
1332	03JUL84	.	.	.	.	.	.	.	.	.	6608.5	0	.	.
1333	04JUL84	.	.	.	.	.	.	.	.	.	6613.3	0	.	.
1334	05JUL84	.	.	.	.	.	.	.	.	.	6617.7	0	.	.
1335	06JUL84	1891	14.2	7.4	-1	1.1	.	2	.	14	6621.8	0	.	.
1336	07JUL84	.	.	.	.	.	.	.	.	.	6625.1	0	.	.
1337	08JUL84	.	.	.	.	.	.	.	.	.	6629.6	0	.	.
1338	09JUL84	.	.	.	.	.	.	.	.	.	6632.8	0	.	.
1339	10JUL84	.	.	.	.	.	.	.	.	.	6635.9	0	.	.
1340	11JUL84	.	.	.	.	.	.	.	.	.	6639.2	0	.	.
1341	12JUL84	.	.	.	.	.	.	.	.	.	6641.3	0	.	.
1342	13JUL84	.	.	.	.	.	.	.	.	.	6643.0	46	.	.
1343	14JUL84	.	.	.	.	.	.	.	.	.	6644.8	116	.	.
1344	15JUL84	.	.	.	.	.	.	.	.	.	6647.0	71	.	.
1345	16JUL84	1968	14.1	7.4	-1	1.1	-1	1	0.1	10	6649.2	63	.	.
1346	17JUL84	.	.	.	.	.	.	.	.	.	6651.3	53	.	.
1347	18JUL84	.	.	.	.	.	.	.	.	.	6653.0	56	.	.
1348	19JUL84	.	.	.	.	.	.	.	.	.	6654.7	58	.	.
1349	20JUL84	.	.	.	.	.	.	.	.	.	6656.4	55	.	.
1350	21JUL84	.	.	.	.	.	.	.	.	.	6657.7	60	.	.
1351	22JUL84	.	.	.	.	.	.	.	.	.	6658.8	66	.	.
1352	23JUL84	.	.	.	.	.	.	.	.	.	6659.9	69	.	.
1353	24JUL84	.	.	.	.	.	.	.	.	.	6661.5	66	.	.
1354	25JUL84	.	.	.	.	.	.	.	.	.	6662.8	59	.	.
1355	26JUL84	.	.	.	.	.	.	.	.	.	6663.6	70	.	.
1356	27JUL84	.	.	.	.	.	.	.	.	.	6664.6	75	.	.
1357	28JUL84	.	.	.	.	.	.	.	.	.	6665.7	72	.	.
1358	29JUL84	.	.	.	.	.	.	.	.	.	6666.7	66	.	.
1359	30JUL84	.	.	.	.	.	.	.	.	.	6666.3	64	.	.
1360	31JUL84	.	.	.	.	.	.	.	.	.	6668.2	63	.	.
1361	01AUG84	.	.	.	.	.	.	.	.	.	6669.2	77	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1362	02AUG84	.	.	.	.	.	.	.	.	.	6670.0	62	.	.
1363	03AUG84	.	.	.	.	.	.	.	.	.	6670.9	63	.	.
1364	04AUG84	.	.	.	.	.	.	.	.	.	6671.7	62	.	.
1365	05AUG84	.	.	.	.	.	.	.	.	.	6672.4	63	.	.
1366	06AUG84	.	.	.	.	.	.	.	.	.	6674.0	16	.	.
1367	07AUG84	.	.	.	.	.	.	.	.	.	6674.7	0	.	.
1368	08AUG84	.	.	.	.	.	.	.	.	.	6675.5	0	.	.
1369	09AUG84	.	.	.	.	.	.	.	.	.	6676.4	0	.	.
1370	10AUG84	.	.	.	.	.	.	.	.	.	6676.9	0	.	.
1371	11AUG84	.	.	.	.	.	.	.	.	.	6677.6	0	.	.
1372	12AUG84	.	.	.	.	.	.	.	.	.	6678.2	0	.	.
1373	13AUG84	.	.	.	.	.	.	.	.	.	6678.8	0	.	.
1374	14AUG84	.	.	.	.	.	.	.	.	.	6679.4	0	.	.
1375	15AUG84	.	.	.	.	.	.	.	.	.	6680.4	0	.	.
1376	16AUG84	.	.	.	.	.	.	.	.	.	6680.5	0	.	.
1377	17AUG84	.	.	.	.	.	.	.	.	.	6681.0	0	.	.
1378	18AUG84	.	.	.	.	.	.	.	.	.	6681.6	0	.	.
1379	19AUG84	.	.	.	.	.	.	.	.	.	6682.3	0	.	.
1380	20AUG84	.	.	.	.	.	.	.	.	.	6682.9	0	.	.
1381	21AUG84	.	.	.	.	.	.	.	.	.	6683.1	0	.	.
1382	22AUG84	.	.	.	.	.	.	.	.	.	6683.6	0	.	.
1383	23AUG84	.	.	.	.	.	.	.	.	.	6684.4	0	.	.
1384	24AUG84	.	.	.	.	.	.	.	.	.	6684.5	0	.	.
1385	25AUG84	.	.	.	.	.	.	.	.	.	6685.2	0	.	.
1386	26AUG84	.	.	.	.	.	.	.	.	.	6684.7	0	.	.
1387	27AUG84	.	.	.	.	.	.	.	.	.	6685.1	0	.	.
1388	28AUG84	.	.	.	.	.	.	.	.	.	6686.6	0	.	.
1389	29AUG84	.	.	.	.	.	.	.	.	.	6687.2	0	.	.
1390	30AUG84	.	.	.	.	.	.	.	.	.	6687.9	0	.	.
1391	31AUG84	.	.	.	.	.	.	.	.	.	6688.1	0	.	.
1392	01SEP84	.	.	.	.	.	.	.	.	.	6689.0	0	.	.
1393	02SEP84	.	.	.	.	.	.	.	.	.	6689.6	0	.	.
1394	03SEP84	.	.	.	.	.	.	.	.	.	6690.2	0	.	.
1395	04SEP84	.	.	.	.	.	.	.	.	.	6690.7	0	.	.
1396	05SEP84	.	.	.	.	.	.	.	.	.	6691.2	0	.	.
1397	06SEP84	.	.	.	.	.	.	.	.	.	6691.9	0	.	.
1398	07SEP84	.	.	.	.	.	.	.	.	.	6692.2	0	.	.
1399	08SEP84	.	.	.	.	.	.	.	.	.	6692.6	0	.	.
1400	09SEP84	.	.	.	.	.	.	.	.	.	6693.2	0	.	.
1401	10SEP84	.	.	.	.	.	.	.	.	.	6693.7	0	.	.
1402	11SEP84	.	.	.	.	.	.	.	.	.	6694.2	0	.	.
1403	12SEP84	.	.	.	.	.	.	.	.	.	6694.7	0	.	.
1404	13SEP84	.	.	.	.	.	.	.	.	.	6695.0	0	.	.
1405	14SEP84	.	.	.	.	.	.	.	.	.	6695.5	0	.	.
1406	15SEP84	.	.	.	.	.	.	.	.	.	6696.0	0	.	.
1407	16SEP84	.	.	.	.	.	.	.	.	.	6696.3	0	.	.
1408	17SEP84	.	.	.	.	.	.	.	.	.	6696.6	0	.	.

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1409	18SEP84	.	.	.	.	.	.	.	.	.	6697.0	0	.	.
1410	19SEP84	.	.	.	.	.	.	.	.	.	6697.4	0	.	.
1411	20SEP84	.	.	.	.	.	.	.	.	.	6698.0	0	.	.
1412	21SEP84	.	.	.	.	.	.	.	.	.	6698.6	0	.	.
1413	22SEP84	.	.	.	.	.	.	.	.	.	6698.9	0	.	.
1414	23SEP84	.	.	.	.	.	.	.	.	.	6699.2	0	.	.
1415	24SEP84	.	.	.	.	.	.	.	.	.	6699.6	0	.	.
1416	25SEP84	.	.	.	.	.	.	.	.	.	6698.9	0	.	.
1417	26SEP84	.	.	.	.	.	.	.	.	.	6700.0	0	.	.
1418	27SEP84	.	.	.	.	.	.	.	.	.	6700.3	0	.	.
1419	28SEP84	.	.	.	.	.	.	.	.	.	6699.7	0	.	.
1420	29SEP84	.	.	.	.	.	.	.	.	.	6701.0	0	.	.
1421	30SEP84	.	.	.	.	.	.	.	.	.	6701.5	8	.	.
1422	01OCT84	.	.	.	.	.	.	.	.	.	6701.9	0	.	.
1423	02OCT84	.	.	.	.	.	.	.	.	.	6702.1	0	.	.
1424	03OCT84	.	.	.	.	.	.	.	.	.	6702.3	0	.	.
1425	04OCT84	2190	13.2	7.5	-1	1.4	-1	2	0.1	18	6703.2	0	.	.
1426	05OCT84	.	.	.	.	.	.	.	.	.	6703.2	0	.	.
1427	06OCT84	.	.	.	.	.	.	.	.	.	6703.4	0	.	.
1428	07OCT84	.	.	.	.	.	.	.	.	.	6703.6	0	.	.
1429	08OCT84	.	.	.	.	.	.	.	.	.	6704.0	0	.	.
1430	09OCT84	.	.	.	.	.	.	.	.	.	6704.3	0	.	.
1431	10OCT84	.	.	.	.	.	.	.	.	.	6704.6	0	.	.
1432	11OCT84	.	.	.	.	.	.	.	.	.	6705.0	.	.	.
1433	12OCT84	.	.	.	.	.	.	.	.	.	6705.2	.	.	.
1434	13OCT84	.	.	.	.	.	.	.	.	.	6705.3	0	.	.
1435	14OCT84	.	.	.	.	.	.	.	.	.	6705.8	0	.	.
1436	15OCT84	.	.	.	.	.	.	.	.	.	6706.1	0	.	.
1437	16OCT84	.	.	.	.	.	.	.	.	.	6706.3	0	.	.
1438	17OCT84	.	.	.	.	.	.	.	.	.	6706.5	0	.	.
1439	18OCT84	.	.	.	.	.	.	.	.	.	6706.7	0	.	.
1440	19OCT84	.	.	.	.	.	.	.	.	.	6707.0	0	.	.
1441	20OCT84	.	.	.	.	.	.	.	.	.	6707.3	0	.	.
1442	21OCT84	.	.	.	.	.	.	.	.	.	6707.4	0	.	.
1443	22OCT84	.	.	.	.	.	.	.	.	.	6707.5	0	.	.
1444	23OCT84	.	.	.	.	.	.	.	.	.	6707.8	0	.	.
1445	24OCT84	.	.	.	.	.	.	.	.	.	6708.1	0	.	.
1446	25OCT84	2155	.	7.5	-1	1.3	-1	2	-0.1	12	6708.2	0	.	.
1447	26OCT84	.	.	.	.	.	.	.	.	.	6708.5	0	.	.
1448	27OCT84	.	.	.	.	.	.	.	.	.	6708.7	0	.	.
1449	28OCT84	.	.	.	.	.	.	.	.	.	6708.8	0	.	.
1450	29OCT84	.	.	.	.	.	.	.	.	.	6709.0	0	.	.
1451	30OCT84	.	.	.	.	.	.	.	.	.	6709.1	0	.	.
1452	31OCT84	.	.	.	.	.	.	.	.	.	6709.4	0	.	.
1453	01NOV84	.	.	.	.	.	.	.	.	.	6709.3	0	.	.
1454	02NOV84	.	.	.	.	.	.	.	.	.	6709.6	0	.	.
1455	03NOV84	.	.	.	.	.	.	.	.	.	6709.8	0	.	.

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1456	04NOV84	.	.	.	.	.	.	.	.	.	6709.8	0	.	.
1457	05NOV84	.	.	.	.	.	.	.	.	.	6709.9	0	.	.
1458	06NOV84	.	.	.	.	.	.	.	.	.	6710.2	0	.	.
1459	07NOV84	.	.	.	.	.	.	.	.	.	6710.4	0	.	.
1460	08NOV84	.	.	.	.	.	.	.	.	.	6710.6	0	.	.
1461	09NOV84	.	.	.	.	.	.	.	.	.	6710.6	0	.	.
1462	10NOV84	.	.	.	.	.	.	.	.	.	6710.5	0	.	.
1463	11NOV84	.	.	.	.	.	.	.	.	.	6710.7	0	.	.
1464	12NOV84	.	.	.	.	.	.	.	.	.	6710.9	0	.	.
1465	13NOV84	.	.	.	.	.	.	.	.	.	6711.2	0	.	.
1466	14NOV84	.	.	.	.	.	.	.	.	.	6711.1	0	.	.
1467	15NOV84	.	.	.	.	.	.	.	.	.	6711.2	0	.	.
1468	16NOV84	2199	.	7.2	-1.0	0.6	-1	1	-0.1	.	6711.0	6	.	.
1469	17NOV84	2408	.	7.2	-1.0	0.9	-1	-1	-0.1	.	6710.6	41	.	.
1470	18NOV84	2513	.	7.3	-1.0	1.1	-1	-1	0.1	.	6710.4	48	.	.
1471	19NOV84	2656	.	7.3	-1.0	1.3	-1	-1	0.1	.	6710.2	58	.	.
1472	20NOV84	2722	.	7.5	-1.0	1.2	-1	-1	0.1	15	6710.2	56	.	.
1473	21NOV84	2732	.	7.5	-1.0	1.3	-1	-1	0.1	20	6710.3	57	.	.
1474	22NOV84	.	.	.	.	.	.	.	.	.	6710.3	58	.	.
1475	23NOV84	.	.	.	.	.	.	.	.	.	6710.7	58	.	.
1476	24NOV84	.	.	.	.	.	.	.	.	.	6710.7	69	.	.
1477	25NOV84	.	.	.	.	.	.	.	.	.	6711.2	71	.	.
1478	26NOV84	2719	.	7.4	-1.0	1.3	-1	-1	0.1	18	6711.1	52	.	.
1479	27NOV84	2837	.	7.4	-1.0	1.4	-1	-1	-0.1	.	6711.2	55	.	.
1480	28NOV84	2711	.	7.4	-1.0	1.2	-1	2	0.1	.	6711.4	76	.	.
1481	29NOV84	2638	.	7.4	-1.0	1.3	-1	1	0.1	15	6711.4	58	.	.
1482	30NOV84	.	.	.	.	.	.	.	.	.	6711.5	58	.	.
1483	01DEC84	2719	.	7.4	-1.0	1.3	-1	1	0.1	.	6711.7	58	.	.
1484	02DEC84	.	.	.	.	.	.	.	.	.	6711.6	60	.	.
1485	03DEC84	.	.	.	.	.	.	.	.	.	6711.6	60	.	.
1486	04DEC84	.	.	.	.	.	.	.	.	.	6711.7	60	.	.
1487	05DEC84	.	.	.	.	.	.	.	.	.	6711.8	60	.	.
1488	06DEC84	2754	.	7.5	1.1	1.5	-1	1	-0.1	21	6712.1	60	.	.
1489	07DEC84	2764	.	7.3	1.0	1.6	-1	-1	0.1	25	6712.2	60	.	.
1490	08DEC84	.	.	.	.	.	.	.	.	.	6712.5	60	.	.
1491	09DEC84	.	.	.	.	.	.	.	.	.	6712.2	60	.	.
1492	10DEC84	3048	.	7.4	1.1	1.5	-1	-1	0.1	12	6712.4	60	.	.
1493	11DEC84	2732	.	7.5	-1.0	1.6	-1	-1	-0.1	.	6712.5	60	.	.
1494	12DEC84	2734	.	7.6	-1.0	1.5	-1	-1	-0.1	15	6712.6	60	.	.
1495	13DEC84	2740	.	7.5	-1.0	1.5	-1	-1	-0.1	.	6712.6	60	.	.
1496	14DEC84	.	.	.	.	.	.	.	.	.	6713.0	0	.	.
1497	15DEC84	.	.	.	.	.	.	.	.	.	6713.3	0	.	.
1498	16DEC84	.	.	.	.	.	.	.	.	.	6713.4	0	.	.
1499	17DEC84	.	.	.	.	.	.	.	.	.	6713.4	0	.	.
1500	18DEC84	.	.	.	.	.	.	.	.	.	6713.6	0	.	.
1501	19DEC84	.	.	.	.	.	.	.	.	.	6713.7	0	.	.
1502	20DEC84	.	.	.	.	.	.	.	.	.	6713.9	0	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1503	21DEC84	.	.	.	.	.	.	.	.	.	6713.8	0	.	.
1504	22DEC84	.	.	.	.	.	.	.	.	.	6713.7	0	.	.
1505	23DEC84	.	.	.	.	.	.	.	.	.	6713.9	0	.	.
1506	24DEC84	.	.	.	.	.	.	.	.	.	6714.1	0	.	.
1507	25DEC84	.	.	.	.	.	.	.	.	.	6714.0	0	.	.
1508	26DEC84	.	.	.	.	.	.	.	.	.	6714.2	0	.	.
1509	27DEC84	.	.	.	.	.	.	.	.	.	6714.3	0	.	.
1510	28DEC84	.	.	.	.	.	.	.	.	.	6714.4	0	.	.
1511	29DEC84	.	.	.	.	.	.	.	.	.	6714.4	0	.	.
1512	30DEC84	.	.	.	.	.	.	.	.	.	6714.5	0	.	.
1513	31DEC84	.	.	.	.	.	.	.	.	.	6714.6	0	.	.
1514	01JAN85	.	.	.	.	.	.	.	.	.	6714.5	0	.	.
1515	02JAN85	.	.	.	.	.	.	.	.	.	6714.5	0	.	.
1516	03JAN85	.	.	.	.	.	.	.	.	.	6714.5	0	.	.
1517	04JAN85	.	.	.	.	.	.	.	.	.	6714.6	0	.	.
1518	05JAN85	.	.	.	.	.	.	.	.	.	6714.6	0	.	.
1519	06JAN85	.	.	.	.	.	.	.	.	.	6714.7	0	.	.
1520	07JAN85	.	.	.	.	.	.	.	.	.	6714.9	0	.	.
1521	08JAN85	.	.	.	.	.	.	.	.	.	6714.9	0	.	.
1522	09JAN85	.	.	.	.	.	.	.	.	.	6714.8	0	.	.
1523	10JAN85	.	.	.	.	.	.	.	.	.	6714.7	0	.	.
1524	11JAN85	.	.	.	.	.	.	.	.	.	6714.7	0	.	.
1525	12JAN85	.	.	.	.	.	.	.	.	.	6714.8	0	.	.
1526	13JAN85	.	.	.	.	.	.	.	.	.	6714.9	0	.	.
1527	14JAN85	.	.	.	.	.	.	.	.	.	6714.9	0	.	.
1528	15JAN85	.	.	.	.	.	.	.	.	.	6715.0	0	.	.
1529	16JAN85	.	.	.	.	.	.	.	.	.	6715.0	0	.	.
1530	17JAN85	.	.	.	.	.	.	.	.	.	6715.0	0	.	.
1531	18JAN85	.	.	.	.	.	.	.	.	.	6715.1	0	.	.
1532	19JAN85	.	.	.	.	.	.	.	.	.	6715.1	0	.	.
1533	20JAN85	.	.	.	.	.	.	.	.	.	6715.1	0	.	.
1534	21JAN85	.	.	.	.	.	.	.	.	.	6715.2	0	.	.
1535	22JAN85	.	.	.	.	.	.	.	.	.	6715.2	0	.	.
1536	23JAN85	.	.	.	.	.	.	.	.	.	6715.3	0	.	.
1537	24JAN85	.	.	.	.	.	.	.	.	.	6715.3	0	.	.
1538	25JAN85	.	.	.	.	.	.	.	.	.	6715.3	0	.	.
1539	26JAN85	.	.	.	.	.	.	.	.	.	6715.3	0	.	.
1540	27JAN85	.	.	.	.	.	.	.	.	.	6715.4	0	.	.
1541	28JAN85	.	.	.	.	.	.	.	.	.	6715.5	0	.	.
1542	29JAN85	.	.	.	.	.	.	.	.	.	6715.5	0	.	.
1543	30JAN85	.	.	.	.	.	.	.	.	.	6715.6	0	.	.
1544	31JAN85	.	.	.	.	.	.	.	.	.	6715.6	0	.	.
1545	01FEB85	.	.	.	.	.	.	.	.	.	6715.8	0	.	.
1546	02FEB85	.	.	.	.	.	.	.	.	.	6715.8	0	.	.
1547	03FEB85	.	.	.	.	.	.	.	.	.	6715.8	0	.	.
1548	04FEB85	.	.	.	.	.	.	.	.	.	6715.8	0	.	.
1549	05FEB85	.	.	.	.	.	.	.	.	.	6715.8	0	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1550	06FEB85	.	.	.	.	.	.	.	.	.	6715.8	0	.	.
1551	07FEB85	.	.	.	.	.	.	.	.	.	6715.7	0	.	.
1552	08FEB85	.	.	.	.	.	.	.	.	.	6715.7	0	.	.
1553	09FEB85	.	.	.	.	.	.	.	.	.	6715.8	0	.	.
1554	10FEB85	.	.	.	.	.	.	.	.	.	6715.7	0	.	.
1555	11FEB85	.	.	.	.	.	.	.	.	.	6715.6	0	.	.
1556	12FEB85	.	.	.	.	.	.	.	.	.	6715.7	0	.	.
1557	13FEB85	.	.	.	.	.	.	.	.	.	6715.7	0	.	.
1558	14FEB85	.	.	.	.	.	.	.	.	.	6714.9	60	.	.
1559	15FEB85	.	.	.	.	.	.	.	.	.	6714.9	60	.	.
1560	16MAR85	.	.	.	.	.	.	.	.	.	6717.1	0	.	.
1561	17MAR85	.	.	.	.	.	.	.	.	.	6717.2	0	.	.
1562	18MAR85	.	.	.	.	.	.	.	.	.	6717.4	0	.	.
1563	19MAR85	.	.	.	.	.	.	.	.	.	6717.7	0	.	.
1564	20MAR85	.	.	.	.	.	.	.	.	.	6717.8	0	.	.
1565	21MAR85	.	.	.	.	.	.	.	.	.	6718.0	0	.	.
1566	22MAR85	.	.	.	.	.	.	.	.	.	6718.2	0	.	.
1567	23MAR85	.	.	.	.	.	.	.	.	.	6718.4	0	.	.
1568	24MAR85	.	.	.	.	.	.	.	.	.	6718.7	0	.	.
1569	25MAR85	1809	13	7.7	-1	0.8	-1	2	-0.1	15	6719.0	0	.	.
1570	26MAR85	.	.	.	.	.	.	.	.	.	6719.1	0	.	.
1571	27MAR85	.	.	.	.	.	.	.	.	.	6719.4	0	.	.
1572	28MAR85	.	.	.	.	.	.	.	.	.	6719.5	0	.	.
1573	29MAR85	.	.	.	.	.	.	.	.	.	6719.7	0	.	.
1574	30MAR85	.	.	.	.	.	.	.	.	.	6719.6	0	.	.
1575	31MAR85	.	.	.	.	.	.	.	.	.	6719.7	0	.	.

STATION LOCATION=PONDS

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1576	17DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1577	18DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1578	19DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1579	20DEC82	.	.	.	.	.	.	.	.	.	.	.	.	6445308
1580	21DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1581	22DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1582	23DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1583	24DEC82	.	.	.	.	.	.	.	.	.	.	.	.	6424308
1584	25DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1585	26DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1586	27DEC82	.	.	.	.	.	.	.	.	.	.	.	.	6372908
1587	28DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.
1588	29DEC82	.	.	.	.	.	.	.	.	.	.	.	.	6320708
1589	30DEC82	.	.	.	.	.	.	.	.	.	.	.	.	6269208
1590	31DEC82	.	.	.	.	.	.	.	.	.	.	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1591	01JAN83	.	.	.	.	.	.	.	.	.	.	.	.	6219308
1592	02JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1593	03JAN83	.	.	.	.	.	.	.	.	.	.	.	.	6139004
1594	04JAN83	.	.	.	.	.	.	.	.	.	.	.	.	6104704
1595	05JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1596	07JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5891604
1597	08JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5860704
1598	09JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5815604
1599	10JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1600	11JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5773004
1601	12JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5767604
1602	13JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5729904
1603	14JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1604	15JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5729904
1605	16JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5694304
1606	17JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5694304
1607	18JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5659744
1608	19JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5659744
1609	20JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5623044
1610	21JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5623044
1611	22JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5589044
1612	23JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1613	24JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5567844
1614	25JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5555044
1615	26JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5520144
1616	27JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1617	28JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1618	29JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5483244
1619	30JAN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1620	31JAN83	.	.	.	.	.	.	.	.	.	.	.	.	5442344
1621	01FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1622	02FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1623	03FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5408844
1624	04FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5408844
1625	05FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5372644
1626	06FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1627	07FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1628	08FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5335044
1629	09FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1630	10FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5296544
1631	11FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5296544
1632	12FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5262444
1633	13FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1634	14FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5229544
1635	15FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1636	16FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5192844
1637	17FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1638	18FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5192844
1639	19FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5155044
1640	20FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1641	21FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5116344
1642	22FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1643	23FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5106044
1644	24FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5079244
1645	25FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5079244
1646	26FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5042644
1647	27FEB83	.	.	.	.	.	.	.	.	.	.	.	.	.
1648	28FEB83	.	.	.	.	.	.	.	.	.	.	.	.	5006444
1649	01MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1650	02MAR83	.	.	.	.	.	.	.	.	.	.	.	.	4970044
1651	03MAR83	.	.	.	.	.	.	.	.	.	.	.	.	4965844
1652	04MAR83	.	.	.	.	.	.	.	.	.	.	.	.	4965844
1653	05MAR83	.	.	.	.	.	.	.	.	.	.	.	.	4930744
1654	06MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1655	07MAR83	.	.	.	.	.	.	.	.	.	.	.	.	4892344
1656	08MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1657	09MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1658	10MAR83	.	.	.	.	.	.	.	.	.	.	.	.	4892344
1659	11MAR83	.	.	.	.	.	.	.	.	.	.	.	.	3375249
1660	12MAR83	.	.	.	.	.	.	.	.	.	.	.	.	3337649
1661	13MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1662	14MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1663	15MAR83	.	.	.	.	.	.	.	.	.	.	.	.	3296549
1664	16MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1665	17MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2908849
1666	18MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1667	19MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1668	20MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2870049
1669	21MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1670	22MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2830449
1671	23MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1672	24MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2830449
1673	25MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2790649
1674	26MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1675	27MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2749249
1676	28MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1677	29MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2708449
1678	30MAR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1679	31MAR83	.	.	.	.	.	.	.	.	.	.	.	.	2708449
1680	01APR83	.	.	.	.	.	.	.	.	.	.	.	.	2667349
1681	02APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1682	03APR83	.	.	.	.	.	.	.	.	.	.	.	.	2626149
1683	04APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1684	05APR83	.	.	.	.	.	.	.	.	.	.	.	.	2621849

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1685	06APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1686	07APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1687	08APR83	.	.	.	.	.	.	.	.	.	.	.	.	2582549
1688	09APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1689	10APR83	.	.	.	.	.	.	.	.	.	.	.	.	2541849
1690	11APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1691	12APR83	.	.	.	.	.	.	.	.	.	.	.	.	2501849
1692	13APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1693	14APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1694	15APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1695	16APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1696	17APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1697	18APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1698	19APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1699	20APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1700	21APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1701	22APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1702	23APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1703	24APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1704	25APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1705	26APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1706	27APR83	.	.	.	.	.	.	.	.	.	.	.	.	1875601
1707	28APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1708	29APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1709	30APR83	.	.	.	.	.	.	.	.	.	.	.	.	.
1710	01MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1711	02MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1712	03MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1713	04MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1714	05MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1715	06MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1716	07MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1717	08MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1718	09MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1719	10MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1720	11MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1721	12MAY83	.	.	.	.	.	.	.	.	.	.	.	.	1748000
1722	13MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1723	14MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1724	15MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1725	16MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1726	17MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1727	18MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1728	19MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1729	20MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1730	21MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1731	22MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1732	23MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1733	24MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1734	25MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1735	26MAY83	.	.	.	.	.	.	.	.	.	.	.	.	1013000
1736	27MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1737	28MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1738	29MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1739	30MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1740	31MAY83	.	.	.	.	.	.	.	.	.	.	.	.	.
1741	01JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1742	02JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1743	03JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1744	04JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1745	05JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1746	06JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1747	07JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1748	08JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1749	09JUN83	.	.	.	.	.	.	.	.	.	.	.	.	1567000
1750	24JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1751	25JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1752	26JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1753	27JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1754	28JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1755	29JUN83	.	.	.	.	.	.	.	.	.	.	.	.	.
1756	30JUN83	.	.	.	.	.	.	.	.	.	.	.	.	3581000
1757	01JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1758	02JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1759	03JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1760	04JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1761	05JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1762	06JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1763	07JUL83	.	.	.	.	.	.	.	.	.	.	.	.	3975000
1764	08JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1765	09JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1766	10JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1767	11JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1768	12JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1769	13JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1770	14JUL83	.	.	.	.	.	.	.	.	.	.	.	.	4474000
1771	15JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1772	16JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1773	17JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1774	18JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1775	19JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1776	20JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1777	21JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1778	22JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1779	23JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1780	24JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1781	25JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1782	26JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1783	27JUL83	.	.	.	.	.	.	.	.	.	.	.	.	4656000
1784	29JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1785	30JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1786	31JUL83	.	.	.	.	.	.	.	.	.	.	.	.	.
1787	01AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1788	02AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1789	03AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1790	04AUG83	.	.	.	.	.	.	.	.	.	.	.	.	4867000
1791	05AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1792	06AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1793	07AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1794	08AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1795	09AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1796	10AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1797	11AUG83	.	.	.	.	.	.	.	.	.	.	.	.	5020000
1798	12AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1799	13AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1800	14AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1801	15AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1802	16AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1803	17AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1804	18AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1805	19AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1806	20AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1807	21AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1808	22AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1809	23AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1810	24AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1811	25AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1812	26AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1813	27AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1814	28AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1815	29AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1816	30AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1817	31AUG83	.	.	.	.	.	.	.	.	.	.	.	.	.
1818	01SEP83	.	.	.	.	.	.	.	.	.	.	.	.	5704000
1819	02SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1820	03SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1821	04SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1822	05SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1823	06SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1824	07SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1825	08SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=PONDS

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1826	09SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1827	10SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1828	11SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1829	12SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1830	13SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1831	14SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1832	15SEP83	.	.	.	.	.	.	.	.	.	.	.	.	6210000
1833	16SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1834	17SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1835	18SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1836	19SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1837	20SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1838	21SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1839	22SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1840	23SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1841	24SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1842	25SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1843	26SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1844	27SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1845	28SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1846	29SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1847	30SEP83	.	.	.	.	.	.	.	.	.	.	.	.	.
1848	010CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1849	020CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1850	030CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1851	040CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1852	050CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1853	060CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1854	070CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1855	080CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1856	090CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1857	100CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1858	110CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1859	120CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1860	130CT83	.	.	.	.	.	.	.	.	.	.	.	.	5876000
1861	140CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1862	150CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1863	160CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1864	170CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1865	180CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1866	190CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1867	200CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1868	210CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1869	220CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1870	230CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1871	240CT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1872	250CT83	.	.	.	.	.	.	.	.	.	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1873	26OCT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1874	27OCT83	.	.	.	.	.	.	.	.	.	.	.	.	6280000
1875	28OCT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1876	29OCT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1877	30OCT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1878	31OCT83	.	.	.	.	.	.	.	.	.	.	.	.	.
1879	01NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1880	02NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1881	03NOV83	.	.	.	.	.	.	.	.	.	.	.	.	6357000
1882	04NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1883	05NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1884	06NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1885	07NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1886	08NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1887	09NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1888	10NOV83	.	.	.	.	.	.	.	.	.	.	.	.	5810000
1889	11NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1890	12NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1891	13NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1892	14NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1893	15NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1894	16NOV83	.	.	.	.	.	.	.	.	.	.	.	.	.
1895	17NOV83	.	.	.	.	.	.	.	.	.	.	.	.	5538000
1896	03MAY84	.	.	.	.	.	.	.	.	.	.	.	.	1142000
1897	10MAY84	.	.	.	.	.	.	.	.	.	.	.	.	1557000
1898	17MAY84	.	.	.	.	.	.	.	.	.	.	.	.	2535000
1899	24MAY84	.	.	.	.	.	.	.	.	.	.	.	.	3759000
1900	31MAY84	.	.	.	.	.	.	.	.	.	.	.	.	4904000
1901	07JUN84	.	.	.	.	.	.	.	.	.	.	.	.	4055000
1902	14JUN84	.	.	.	.	.	.	.	.	.	.	.	.	3882000
1903	21JUN84	.	.	.	.	.	.	.	.	.	.	.	.	4541000
1904	28JUN84	.	.	.	.	.	.	.	.	.	.	.	.	5276000
1905	05JUL84	.	.	.	.	.	.	.	.	.	.	.	.	6467000
1906	12JUL84	.	.	.	.	.	.	.	.	.	.	.	.	7396000
1907	19JUL84	.	.	.	.	.	.	.	.	.	.	.	.	6546000
1908	26JUL84	.	.	.	.	.	.	.	.	.	.	.	.	7398000
1909	03AUG84	.	.	.	.	.	.	.	.	.	.	.	.	7508000
1910	09AUG84	.	.	.	.	.	.	.	.	.	.	.	.	8695000
1911	16AUG84	.	.	.	.	.	.	.	.	.	.	.	.	9348000
1912	23AUG84	.	.	.	.	.	.	.	.	.	.	.	.	8168000
1913	30AUG84	.	.	.	.	.	.	.	.	.	.	.	.	8925000
1914	06SEP84	.	.	.	.	.	.	.	.	.	.	.	.	10078000
1915	13SEP84	.	.	.	.	.	.	.	.	.	.	.	.	9491000
1916	20SEP84	.	.	.	.	.	.	.	.	.	.	.	.	10096000
1917	27SEP84	.	.	.	.	.	.	.	.	.	.	.	.	10269000
1918	04OCT84	.	.	.	.	.	.	.	.	.	.	.	.	10236000
1919	11OCT84	.	.	.	.	.	.	.	.	.	.	.	.	10753000

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=PONDS

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1920	18OCT84	.	.	.	.	.	.	.	.	.	.	.	.	10635000
1921	25OCT84	.	.	.	.	.	.	.	.	.	.	.	.	10574000
1922	01NOV84	.	.	.	.	.	.	.	.	.	.	.	.	10616000
1923	08NOV84	.	.	.	.	.	.	.	.	.	.	.	.	10769000
1924	15NOV84	.	.	.	.	.	.	.	.	.	.	.	.	10763000

STATION LOCATION=RAM-1A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1925	01FEB84	1450	10.8	7.1	0.4	1.4	.	.	.	.	6512.7	.	.	.
1926	09FEB84	.	.	.	.	.	.	.	.	.	6512.4	.	.	.
1927	15FEB84	.	.	.	.	.	.	.	.	.	6512.1	.	.	.
1928	20FEB84	.	.	.	.	.	.	.	.	.	6512.0	.	.	.
1929	29FEB84	.	.	.	.	.	.	.	.	.	6511.4	.	.	.
1930	07MAR84	.	.	.	.	.	.	.	.	.	6511.8	.	.	.
1931	14MAR84	.	.	.	.	.	.	.	.	.	6511.7	.	.	.
1932	19MAR84	1450	11.1	7.1	-1.0	0.4	.	.	.	.	.	.	.	.
1933	20MAR84	.	.	.	.	.	.	.	.	.	6512.1	.	.	.
1934	28MAR84	.	.	.	.	.	.	.	.	.	6512.4	.	.	.
1935	04APR84	.	.	.	.	.	.	.	.	.	6513.2	.	.	.
1936	06APR84	1400	14.1	6.9	1.0	0.4	.	.	.	.	.	.	.	.
1937	12APR84	.	.	.	.	.	.	.	.	.	6513.3	.	.	.
1938	19APR84	.	.	.	.	.	.	.	.	.	6514.0	.	.	.
1939	24APR84	.	.	.	.	.	.	.	.	.	6514.5	.	.	.
1940	02MAY84	.	.	.	.	.	.	.	.	.	6515.1	.	.	.
1941	08MAY84	.	.	.	.	.	.	.	.	.	6515.1	.	.	.
1942	09MAY84	.	.	.	.	.	.	.	.	.	6515.1	.	.	.
1943	10MAY84	.	.	.	.	.	.	.	.	.	6515.5	.	.	.
1944	11MAY84	.	.	.	.	.	.	.	.	.	6515.9	.	.	.
1945	12MAY84	.	.	.	.	.	.	.	.	.	6516.3	.	.	.
1946	13MAY84	.	.	.	.	.	.	.	.	.	6516.5	.	.	.
1947	14MAY84	.	.	.	.	.	.	.	.	.	6517.0	.	.	.
1948	15MAY84	1550	12.2	7.1	-1.0	1.3	.	-1	-0.1	20	6517.3	.	.	.
1949	16MAY84	.	.	.	.	.	.	.	.	.	6517.5	.	.	.
1950	17MAY84	.	.	.	.	.	.	.	.	.	6518.9	.	.	.
1951	18MAY84	.	.	.	.	.	.	.	.	.	6518.1	.	.	.
1952	19MAY84	.	.	.	.	.	.	.	.	.	6518.4	.	.	.
1953	20MAY84	.	.	.	.	.	.	.	.	.	6518.7	.	.	.
1954	21MAY84	.	.	.	.	.	.	.	.	.	6518.9	.	.	.
1955	22MAY84	.	.	.	.	.	.	.	.	.	6519.2	.	.	.
1956	23MAY84	.	.	.	.	.	.	.	.	.	6519.7	.	.	.
1957	24MAY84	.	.	.	.	.	.	.	.	.	6523.0	.	.	.
1958	25MAY84	.	.	.	.	.	.	.	.	.	6523.1	.	.	.
1959	26MAY84	.	.	.	.	.	.	.	.	.	6520.8	.	.	.
1960	27MAY84	.	.	.	.	.	.	.	.	.	6520.9	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-1A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
1961	28MAY84	.	.	.	.	.	.	.	.	.	6521.5	.	.	.
1962	29MAY84	.	.	.	.	.	.	.	.	.	6524.4	.	.	.
1963	30MAY84	.	.	.	.	.	.	.	.	.	6520.9	.	.	.
1964	31MAY84	.	.	.	.	.	.	.	.	.	6522.2	.	.	.
1965	01JUN84	.	.	.	.	.	.	.	.	.	6523.0	.	.	.
1966	02JUN84	.	.	.	.	.	.	.	.	.	6523.7	.	.	.
1967	03JUN84	.	.	.	.	.	.	.	.	.	6523.8	.	.	.
1968	04JUN84	.	.	.	.	.	.	.	.	.	6526.8	.	.	.
1969	05JUN84	.	.	.	.	.	.	.	.	.	6527.4	.	.	.
1970	07JUN84	.	.	.	.	.	.	.	.	.	6528.6	.	.	.
1971	08JUN84	.	.	.	.	.	.	.	.	.	6529.3	.	.	.
1972	09JUN84	.	.	.	.	.	.	.	.	.	6530.6	.	.	.
1973	10JUN84	.	.	.	.	.	.	.	.	.	6530.7	.	.	.
1974	11JUN84	.	.	.	.	.	.	.	.	.	6532.4	.	.	.
1975	12JUN84	.	.	.	.	.	.	.	.	.	6533.4	.	.	.
1976	13JUN84	.	.	.	.	.	.	.	.	.	6534.1	.	.	.
1977	14JUN84	1898	11.8	7.2	-1	0.5	-1	2	-0.1	15	6535.3	.	.	.
1978	15JUN84	.	.	.	.	.	.	.	.	.	6535.9	.	.	.
1979	16JUN84	.	.	.	.	.	.	.	.	.	6536.6	.	.	.
1980	17JUN84	.	.	.	.	.	.	.	.	.	6537.4	.	.	.
1981	18JUN84	.	.	.	.	.	.	.	.	.	6539.4	.	.	.
1982	19JUN84	.	.	.	.	.	.	.	.	.	6540.5	.	.	.
1983	20JUN84	.	.	.	.	.	.	.	.	.	6542.4	.	.	.
1984	21JUN84	.	.	.	.	.	.	.	.	.	6543.8	.	.	.
1985	22JUN84	.	.	.	.	.	.	.	.	.	6546.2	.	.	.
1986	23JUN84	.	.	.	.	.	.	.	.	.	6549.3	.	.	.
1987	24JUN84	.	.	.	.	.	.	.	.	.	6555.0	.	.	.
1988	25JUN84	.	.	.	.	.	.	.	.	.	6566.5	.	.	.
1989	26JUN84	.	.	.	.	.	.	.	.	.	6573.9	.	.	.
1990	27JUN84	.	.	.	.	.	.	.	.	.	6578.3	.	.	.
1991	28JUN84	.	.	.	.	.	.	.	.	.	6582.7	.	.	.
1992	29JUN84	.	.	.	.	.	.	.	.	.	6589.4	.	.	.
1993	30JUN84	.	.	.	.	.	.	.	.	.	6594.5	.	.	.
1994	01JUL84	.	.	.	.	.	.	.	.	.	6599.4	.	.	.
1995	02JUL84	.	.	.	.	.	.	.	.	.	6605.4	.	.	.
1996	03JUL84	.	.	.	.	.	.	.	.	.	6609.7	.	.	.
1997	04JUL84	.	.	.	.	.	.	.	.	.	6613.6	.	.	.
1998	05JUL84	.	.	.	.	.	.	.	.	.	6618.3	.	.	.
1999	06JUL84	1766	11.7	7.2	-1	0.6	.	1	.	25	6622.7	.	.	.
2000	07JUL84	.	.	.	.	.	.	.	.	.	6626.5	.	.	.
2001	08JUL84	.	.	.	.	.	.	.	.	.	6624.7	.	.	.
2002	09JUL84	.	.	.	.	.	.	.	.	.	6633.0	.	.	.
2003	10JUL84	.	.	.	.	.	.	.	.	.	6636.0	.	.	.
2004	11JUL84	.	.	.	.	.	.	.	.	.	6638.8	.	.	.
2005	12JUL84	.	.	.	.	.	.	.	.	.	6641.7	.	.	.
2006	13JUL84	.	.	.	.	.	.	.	.	.	6643.8	.	.	.
2007	14JUL84	.	.	.	.	.	.	.	.	.	6645.7	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-1A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2008	15JUL84	.	.	.	.	.	.	.	.	.	6647.5	.	.	.
2009	16JUL84	.	.	.	.	.	.	.	.	.	6649.8	.	.	.
2010	19JUL84	.	.	.	.	.	.	.	.	.	6654.6	.	.	.
2011	23JUL84	.	.	.	.	.	.	.	.	.	6659.7	.	.	.
2012	27JUL84	.	.	.	.	.	.	.	.	.	6665.0	.	.	.
2013	30JUL84	.	.	.	.	.	.	.	.	.	6666.4	.	.	.
2014	02AUG84	.	.	.	.	.	.	.	.	.	6669.5	.	.	.
2015	06AUG84	.	.	.	.	.	.	.	.	.	6672.8	.	.	.
2016	09AUG84	.	.	.	.	.	.	.	.	.	6675.0	.	.	.
2017	13AUG84	.	.	.	.	.	.	.	.	.	6677.8	.	.	.
2018	16AUG84	.	.	.	.	.	.	.	.	.	6680.1	.	.	.
2019	20AUG84	.	.	.	.	.	.	.	.	.	6682.3	.	.	.
2020	23AUG84	1625	11.8	7.1	-1	0.6	-1	1	-0.1	25	6683.9	.	.	.
2021	27AUG84	.	.	.	.	.	.	.	.	.	6685.8	.	.	.
2022	31AUG84	.	.	.	.	.	.	.	.	.	6688.3	.	.	.
2023	06SEP84	.	.	.	.	.	.	.	.	.	6692.0	.	.	.
2024	13SEP84	.	.	.	.	.	.	.	.	.	6695.1	.	.	.
2025	20SEP84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
2026	26SEP84	1668	11.0	7.3	-1	0.6	-1	-1	-0.1	15	.	.	.	.
2027	27SEP84	.	.	.	.	.	.	.	.	.	6700.4	.	.	.
2028	03OCT84	.	.	.	.	.	.	.	.	.	6702.6	.	.	.
2029	10OCT84	.	.	.	.	.	.	.	.	.	6704.9	.	.	.
2030	18OCT84	.	.	.	.	.	.	.	.	.	6706.9	.	.	.
2031	25OCT84	1787	.	7.2	-1	0.8	-1	4	-0.1	22	6708.5	.	.	.
2032	01NOV84	.	.	.	.	.	.	.	.	.	6708.0	.	.	.
2033	14NOV84	1749	10.1	7.3	-1	0.8	-1	-1	0.1	18	6711.3	.	.	.
2034	21NOV84	.	.	.	.	.	.	.	.	.	6711.1	.	.	.
2035	05DEC84	.	.	.	.	.	.	.	.	.	6712.4	.	.	.
2036	12DEC84	1706	.	7.3	-1	0.8	-1	.	-0.1	18	6713.1	.	.	.
2037	19DEC84	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
2038	26DEC84	.	.	.	.	.	.	.	.	.	6711.5	.	.	.
2039	02JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
2040	09JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
2041	14JAN85	1710	9.7	7.4	-1	0.8	-1	1	-0.1	20	.	.	.	.
2042	16JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
2043	23JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
2044	30JAN85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
2045	06FEB85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
2046	11FEB85	1779	10.5	7.2	-1	1.2	-1	2	-0.1	22	.	.	.	.
2047	13FEB85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
2048	20MAR85	.	.	.	.	.	.	.	.	.	6718.0	.	.	.
2049	28MAR85	.	.	.	.	.	.	.	.	.	6719.6	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-1S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2050	12APR84	.	.	.	.	.	.	.	.	.	6753.3	.	.	.
2051	08MAY84	.	.	.	.	.	.	.	.	.	6755.6	.	.	.
2052	09MAY84	.	.	.	.	.	.	.	.	.	6755.4	.	.	.
2053	10MAY84	.	.	.	.	.	.	.	.	.	6755.0	.	.	.
2054	11MAY84	.	.	.	.	.	.	.	.	.	6754.5	.	.	.
2055	12MAY84	.	.	.	.	.	.	.	.	.	6754.6	.	.	.
2056	13MAY84	.	.	.	.	.	.	.	.	.	6754.6	.	.	.
2057	14MAY84	.	.	.	.	.	.	.	.	.	6755.2	.	.	.
2058	15MAY84	.	.	.	.	.	.	.	.	.	6755.6	.	.	.
2059	16MAY84	.	.	.	.	.	.	.	.	.	6755.6	.	.	.
2060	17MAY84	.	.	.	.	.	.	.	.	.	6755.3	.	.	.
2061	18MAY84	.	.	.	.	.	.	.	.	.	6754.9	.	.	.
2062	19MAY84	.	.	.	.	.	.	.	.	.	6754.5	.	.	.
2063	20MAY84	.	.	.	.	.	.	.	.	.	6754.1	.	.	.
2064	21MAY84	.	.	.	.	.	.	.	.	.	6754.0	.	.	.
2065	22MAY84	.	.	.	.	.	.	.	.	.	6754.2	.	.	.
2066	23MAY84	.	.	.	.	.	.	.	.	.	6752.6	.	.	.
2067	24MAY84	.	.	.	.	.	.	.	.	.	6752.6	.	.	.
2068	25MAY84	.	.	.	.	.	.	.	.	.	6752.2	.	.	.
2069	26MAY84	.	.	.	.	.	.	.	.	.	6751.6	.	.	.
2070	27MAY84	.	.	.	.	.	.	.	.	.	6751.0	.	.	.
2071	28MAY84	.	.	.	.	.	.	.	.	.	6750.0	.	.	.
2072	29MAY84	.	.	.	.	.	.	.	.	.	6748.1	.	.	.
2073	30MAY84	.	.	.	.	.	.	.	.	.	6748.6	.	.	.
2074	31MAY84	.	.	.	.	.	.	.	.	.	6747.0	.	.	.
2075	01JUN84	.	.	.	.	.	.	.	.	.	6747.1	.	.	.
2076	02JUN84	.	.	.	.	.	.	.	.	.	6746.6	.	.	.
2077	03JUN84	.	.	.	.	.	.	.	.	.	6746.2	.	.	.
2078	04JUN84	.	.	.	.	.	.	.	.	.	6747.3	.	.	.
2079	05JUN84	.	.	.	.	.	.	.	.	.	6746.9	.	.	.
2080	07JUN84	.	.	.	.	.	.	.	.	.	6746.5	.	.	.
2081	08JUN84	.	.	.	.	.	.	.	.	.	6749.6	.	.	.
2082	09JUN84	.	.	.	.	.	.	.	.	.	6752.5	.	.	.
2083	10JUN84	.	.	.	.	.	.	.	.	.	6752.7	.	.	.
2084	11JUN84	.	.	.	.	.	.	.	.	.	6754.6	.	.	.
2085	12JUN84	.	.	.	.	.	.	.	.	.	6755.3	.	.	.
2086	13JUN84	.	.	.	.	.	.	.	.	.	6756.6	.	.	.
2087	14JUN84	.	.	.	.	.	.	.	.	.	6757.2	.	.	.
2088	15JUN84	.	.	.	.	.	.	.	.	.	6757.6	.	.	.
2089	16JUN84	.	.	.	.	.	.	.	.	.	6757.9	.	.	.
2090	17JUN84	.	.	.	.	.	.	.	.	.	6758.0	.	.	.
2091	18JUN84	.	.	.	.	.	.	.	.	.	6757.7	.	.	.
2092	19JUN84	.	.	.	.	.	.	.	.	.	6757.6	.	.	.
2093	20JUN84	.	.	.	.	.	.	.	.	.	6757.2	.	.	.
2094	21JUN84	.	.	.	.	.	.	.	.	.	6756.9	.	.	.
2095	22JUN84	.	.	.	.	.	.	.	.	.	6756.5	.	.	.
2096	23JUN84	.	.	.	.	.	.	.	.	.	6756.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-1S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2097	24JUN84	.	.	.	.	.	.	.	.	.	6755.9	.	.	.
2098	25JUN84	.	.	.	.	.	.	.	.	.	6755.4	.	.	.
2099	26JUN84	.	.	.	.	.	.	.	.	.	6755.0	.	.	.
2100	27JUN84	.	.	.	.	.	.	.	.	.	6754.3	.	.	.
2101	28JUN84	.	.	.	.	.	.	.	.	.	6753.2	.	.	.
2102	29JUN84	.	.	.	.	.	.	.	.	.	6752.5	.	.	.
2103	30JUN84	.	.	.	.	.	.	.	.	.	6751.3	.	.	.
2104	01JUL84	.	.	.	.	.	.	.	.	.	6750.1	.	.	.
2105	02JUL84	.	.	.	.	.	.	.	.	.	6748.7	.	.	.
2106	03JUL84	.	.	.	.	.	.	.	.	.	6747.7	.	.	.
2107	04JUL84	.	.	.	.	.	.	.	.	.	6746.7	.	.	.
2108	05JUL84	.	.	.	.	.	.	.	.	.	6745.7	.	.	.
2109	06JUL84	.	.	.	.	.	.	.	.	.	6745.1	.	.	.
2110	07JUL84	.	.	.	.	.	.	.	.	.	6744.4	.	.	.
2111	08JUL84	.	.	.	.	.	.	.	.	.	6742.7	.	.	.
2112	09JUL84	.	.	.	.	.	.	.	.	.	6742.9	.	.	.
2113	10JUL84	.	.	.	.	.	.	.	.	.	6742.2	.	.	.
2114	11JUL84	.	.	.	.	.	.	.	.	.	6741.3	.	.	.
2115	12JUL84	.	.	.	.	.	.	.	.	.	6740.6	.	.	.
2116	13JUL84	.	.	.	.	.	.	.	.	.	6740.9	.	.	.
2117	14JUL84	.	.	.	.	.	.	.	.	.	6739.5	.	.	.
2118	15JUL84	.	.	.	.	.	.	.	.	.	6738.8	.	.	.
2119	16JUL84	.	.	.	.	.	.	.	.	.	6738.2	.	.	.
2120	19JUL84	.	.	.	.	.	.	.	.	.	6736.3	.	.	.
2121	23JUL84	.	.	.	.	.	.	.	.	.	6734.7	.	.	.
2122	27JUL84	.	.	.	.	.	.	.	.	.	6733.8	.	.	.
2123	30JUL84	.	.	.	.	.	.	.	.	.	6733.2	.	.	.
2124	02AUG84	.	.	.	.	.	.	.	.	.	6732.6	.	.	.
2125	06AUG84	.	.	.	.	.	.	.	.	.	6732.7	.	.	.
2126	09AUG84	.	.	.	.	.	.	.	.	.	6732.8	.	.	.
2127	13AUG84	.	.	.	.	.	.	.	.	.	6732.7	.	.	.
2128	16AUG84	.	.	.	.	.	.	.	.	.	6732.3	.	.	.
2129	20AUG84	.	.	.	.	.	.	.	.	.	6732.6	.	.	.
2130	23AUG84	.	.	.	.	.	.	.	.	.	6740.9	.	.	.
2131	27AUG84	.	.	.	.	.	.	.	.	.	6752.8	.	.	.
2132	31AUG84	.	.	.	.	.	.	.	.	.	6752.8	.	.	.
2133	06SEP84	.	.	.	.	.	.	.	.	.	6751.0	.	.	.
2134	13SEP84	.	.	.	.	.	.	.	.	.	6743.1	.	.	.
2135	20SEP84	.	.	.	.	.	.	.	.	.	6739.3	.	.	.
2136	27SEP84	.	.	.	.	.	.	.	.	.	6738.0	.	.	.
2137	03OCT84	.	.	.	.	.	.	.	.	.	6737.6	.	.	.
2138	10OCT84	.	.	.	.	.	.	.	.	.	6743.3	.	.	.
2139	18OCT84	.	.	.	.	.	.	.	.	.	6735.9	.	.	.
2140	25OCT84	.	.	.	.	.	.	.	.	.	6747.4	.	.	.
2141	01NOV84	.	.	.	.	.	.	.	.	.	6744.3	.	.	.
2142	14NOV84	.	.	.	.	.	.	.	.	.	6737.7	.	.	.
2143	21NOV84	.	.	.	.	.	.	.	.	.	6735.0	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-1S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2144	28NOV84	.	.	.	.	.	.	.	.	.	6733.9	.	.	.
2145	05DEC84	.	.	.	.	.	.	.	.	.	6726.6	.	.	.
2146	12DEC84	.	.	.	.	.	.	.	.	.	6730.8	.	.	.
2147	19DEC84	.	.	.	.	.	.	.	.	.	6729.9	.	.	.
2148	26DEC84	.	.	.	.	.	.	.	.	.	6729.3	.	.	.
2149	02JAN85	.	.	.	.	.	.	.	.	.	6728.6	.	.	.
2150	09JAN85	.	.	.	.	.	.	.	.	.	6728.1	.	.	.
2151	16JAN85	.	.	.	.	.	.	.	.	.	6727.7	.	.	.
2152	23JAN85	.	.	.	.	.	.	.	.	.	6727.3	.	.	.
2153	30JAN85	.	.	.	.	.	.	.	.	.	6726.9	.	.	.
2154	06FEB85	.	.	.	.	.	.	.	.	.	6726.7	.	.	.
2155	13FEB85	.	.	.	.	.	.	.	.	.	6726.5	.	.	.
2156	20MAR85	.	.	.	.	.	.	.	.	.	6752.6	.	.	.
2157	28MAR85	.	.	.	.	.	.	.	.	.	6752.5	.	.	.

STATION LOCATION=RAM-2A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2158	02MAY84	.	.	.	.	.	.	.	.	.	6526.0	.	.	.
2159	08MAY84	.	.	.	.	.	.	.	.	.	6526.4	.	.	.
2160	09MAY84	.	.	.	.	.	.	.	.	.	6526.4	.	.	.
2161	10MAY84	.	.	.	.	.	.	.	.	.	6526.5	.	.	.
2162	11MAY84	.	.	.	.	.	.	.	.	.	6526.4	.	.	.
2163	12MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2164	13MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2165	14MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2166	15MAY84	.	.	.	.	.	.	.	.	.	6526.2	.	.	.
2167	16MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2168	17MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2169	18MAY84	.	.	.	.	.	.	.	.	.	6526.2	.	.	.
2170	19MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2171	20MAY84	.	.	.	.	.	.	.	.	.	6526.2	.	.	.
2172	21MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2173	22MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2174	23MAY84	.	.	.	.	.	.	.	.	.	6526.4	.	.	.
2175	24MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2176	25MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2177	26MAY84	.	.	.	.	.	.	.	.	.	6526.4	.	.	.
2178	27MAY84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2179	28MAY84	.	.	.	.	.	.	.	.	.	6526.5	.	.	.
2180	29MAY84	.	.	.	.	.	.	.	.	.	6525.2	.	.	.
2181	30MAY84	.	.	.	.	.	.	.	.	.	6520.1	.	.	.
2182	31MAY84	.	.	.	.	.	.	.	.	.	6525.1	.	.	.
2183	01JUN84	.	.	.	.	.	.	.	.	.	6526.1	.	.	.
2184	02JUN84	.	.	.	.	.	.	.	.	.	6526.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
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STATION LOCATION=RAM-2A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2185	03JUN84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
2186	04JUN84	.	.	.	.	.	.	.	.	.	6527.8	.	.	.
2187	05JUN84	.	.	.	.	.	.	.	.	.	6528.1	.	.	.
2188	07JUN84	.	.	.	.	.	.	.	.	.	6528.7	.	.	.
2189	08JUN84	.	.	.	.	.	.	.	.	.	6528.8	.	.	.
2190	09JUN84	.	.	.	.	.	.	.	.	.	6529.0	.	.	.
2191	10JUN84	.	.	.	.	.	.	.	.	.	6529.9	.	.	.
2192	11JUN84	.	.	.	.	.	.	.	.	.	6528.9	.	.	.
2193	12JUN84	.	.	.	.	.	.	.	.	.	6529.7	.	.	.
2194	13JUN84	.	.	.	.	.	.	.	.	.	6530.0	.	.	.
2195	15JUN84	.	.	.	.	.	.	.	.	.	6530.9	.	.	.
2196	16JUN84	.	.	.	.	.	.	.	.	.	6530.2	.	.	.
2197	17JUN84	.	.	.	.	.	.	.	.	.	6530.5	.	.	.
2198	18JUN84	.	.	.	.	.	.	.	.	.	6530.9	.	.	.
2199	19JUN84	.	.	.	.	.	.	.	.	.	6531.1	.	.	.
2200	20JUN84	.	.	.	.	.	.	.	.	.	6531.2	.	.	.
2201	21JUN84	.	.	.	.	.	.	.	.	.	6531.5	.	.	.
2202	22JUN84	.	.	.	.	.	.	.	.	.	6532.2	.	.	.
2203	23JUN84	.	.	.	.	.	.	.	.	.	6540.7	.	.	.
2204	24JUN84	.	.	.	.	.	.	.	.	.	6556.0	.	.	.
2205	25JUN84	.	.	.	.	.	.	.	.	.	6563.9	.	.	.
2206	26JUN84	3862	18.2	7.3	2.1	1.4	.	160	-0.1	42	6570.8	.	.	.
2207	27JUN84	3876	.	7.2	2.8	1.2	.	120	0.1	.	6575.2	.	.	.
2208	28JUN84	3876	.	7.2	3.0	1.4	.	120	0.1	.	6581.6	.	.	.
2209	29JUN84	3749	.	7.3	2.4	1.3	.	120	0.1	.	6587.3	.	.	.
2210	30JUN84	3670	.	7.3	2.7	1.1	.	105	0.1	.	6592.2	.	.	.
2211	01JUL84	3635	.	7.3	2.7	1.2	.	74	0.1	.	6597.2	.	.	.
2212	02JUL84	3546	.	7.3	1.4	1.2	.	44	0.1	.	6603.1	.	.	.
2213	03JUL84	3672	17.7	7.3	1.7	1.3	.	39	0.1	.	6608.1	.	.	.
2214	04JUL84	3519	.	7.3	1.6	1.2	.	53	0.2	.	6612.0	.	.	.
2215	05JUL84	3570	.	7.2	2.5	1.3	.	43	0.2	35	6616.8	.	.	.
2216	06JUL84	3587	17.7	7.2	1.0	1.3	.	72	.	35	6621.3	.	.	.
2217	07JUL84	3546	.	7.2	1.4	1.0	.	46	.	.	6624.4	.	.	.
2218	08JUL84	3520	.	7.3	2.2	1.0	.	38	.	.	6628.4	.	.	.
2219	09JUL84	3366	.	7.2	1.3	0.9	.	36	.	.	6631.5	.	.	.
2220	10JUL84	3447	.	7.2	1.5	1.0	.	34	.	.	6634.9	.	.	.
2221	11JUL84	3366	18.2	7.2	-1.0	1.1	-1	39	.	28	6637.7	.	.	.
2222	12JUL84	3390	.	7.2	-1.0	1.0	.	37	0.1	.	6640.8	.	.	.
2223	13JUL84	3264	.	7.3	-1.0	0.9	.	37	0.1	.	6643.0	.	.	.
2224	14JUL84	.	.	.	.	.	.	.	.	.	6644.8	.	.	.
2225	15JUL84	.	.	.	.	.	.	.	.	.	6646.7	.	.	.
2226	16JUL84	1536	18.4	7.2	-1.0	1.1	.	36	0.1	30	6649.1	.	.	.
2227	19JUL84	3442	.	7.2	-1.0	1.3	-1	26	0.1	21	6654.7	.	.	.
2228	23JUL84	3200	.	7.3	-1.0	1.3	-1	27	0.1	25	6660.0	.	.	.
2229	27JUL84	3442	.	7.3	-1.0	1.3	-1	24	0.1	35	6664.4	.	.	.
2230	30JUL84	3125	.	7.2	1.2	0.9	-1	12	0.1	52	6667.1	.	.	.
2231	02AUG84	3111	.	7.2	1.3	1.1	-1	15	0.1	52	6669.9	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RAM-2A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2232	06AUG84	2550	.	7.2	1.0	1.0	-1	11	0.1	31	6673.5	.	.	.
2233	09AUG84	2451	.	7.2	.	0.9	-1	12	0.1	25	6675.8	.	.	.
2234	13AUG84	2336	.	7.1	-1.0	1.0	-1	9	-0.1	20	6678.5	.	.	.
2235	16AUG84	2499	.	7.1	-1.0	0.9	-1	10	-0.1	21	6680.3	.	.	.
2236	20AUG84	2151	.	7.1	-1.0	0.8	-1	9	-0.1	21	6682.6	.	.	.
2237	23AUG84	2200	17.7	7.1	-1.0	0.7	-1	7	-0.1	24	6684.2	.	.	.
2238	27AUG84	2600	.	7.4	-1.0	1.4	-1	15	-0.1	18	6685.9	.	.	.
2239	30AUG84	2208	.	7.1	1.1	0.9	-1	10	.	.	.	.	.	.
2240	31AUG84	.	.	.	.	.	.	.	.	.	6688.3	.	.	.
2241	06SEP84	2500	.	7.1	-1.0	1.2	-1	12	0.1	18	6692.0	.	.	.
2242	13SEP84	2479	.	7.1	-1.0	0.9	-1	10	-0.1	21	6695.3	.	.	.
2243	20SEP84	2718	.	7.1	-1.0	1.1	-1	10	0.1	15	6698.3	.	.	.
2244	22SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
2245	23SEP84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
2246	24SEP84	.	.	.	.	.	.	.	.	.	6699.7	.	.	.
2247	25SEP84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
2248	26SEP84	2718	.	7.1	-1.0	0.9	-1	11	-0.1	26	.	.	.	.
2249	27SEP84	.	.	.	.	.	.	.	.	.	6700.5	.	.	.
2250	030CT84	2728	.	7.2	-1.0	0.9	-1	10	-0.1	22	6702.7	.	.	.
2251	100CT84	3004	.	7.2	1.0	0.8	-1	8	-0.1	20	6705.0	.	.	.
2252	170CT84	2630	.	7.2	-1.0	1.3	-1	10	0.1	28	.	.	.	.
2253	180CT84	.	.	.	.	.	.	.	.	.	6707.0	.	.	.
2254	250CT84	2943	.	7.2	-1.0	1.0	-1	8	-0.1	22	6708.4	.	.	.
2255	310CT84	2675	.	7.2	1.0	1.2	-1	8	0.1	22	.	.	.	.
2256	01NOV84	.	.	.	.	.	.	.	.	.	6709.6	.	.	.
2257	07NOV84	2641	.	7.2	-1.0	1.3	-1	10	0.1	18	.	.	.	.
2258	14NOV84	2675	15.5	7.3	-1.0	0.8	-1	8	-0.1	15	6711.6	.	.	.
2259	20NOV84	2722	15.8	7.3	-1.0	0.9	-1	7	0.1	12	.	.	.	.
2260	21NOV84	.	.	.	.	.	.	.	.	.	6710.8	.	.	.
2261	27NOV84	1707	15.5	7.1	-1.0	1.0	-1	8	0.1	15	.	.	.	.
2262	28NOV84	.	.	.	.	.	.	.	.	.	6713.3	.	.	.
2263	05DEC84	.	.	.	.	.	.	.	.	.	6712.0	.	.	.
2264	06DEC84	2856	.	7.2	-1.0	1.1	-1	8	0.1	20	.	.	.	.
2265	11DEC84	2628	15.5	7.3	-1.0	1.1	-1	9	-0.1	15	.	.	.	.
2266	12DEC84	.	.	.	.	.	.	.	.	.	6713.0	.	.	.
2267	19DEC84	.	.	.	.	.	.	.	.	.	6713.9	.	.	.
2268	20DEC84	2711	15.5	7.2	-1.0	0.9	-1	8	0.1	25	.	.	.	.
2269	26DEC84	2545	15.0	7.1	.	1.0	-1	6	0.1	20	6714.4	.	.	.
2270	02JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
2271	03JAN85	2409	15.9	7.1	.	1.0	-1	6	-0.1	25	.	.	.	.
2272	07JAN85	2395	15.9	7.2	.	0.8	-1	6	-0.1	25	.	.	.	.
2273	09JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
2274	14JAN85	2390	15.9	7.3	-1.0	1.0	-1	6	-0.1	22	.	.	.	.
2275	16JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
2276	21JAN85	2448	15.6	7.2	-1.0	1.1	-1	9	0.1	25	.	.	.	.
2277	23JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
2278	28JAN85	2470	.	7.1	-1.0	1.1	-1	8	0.2	28	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RAM-2A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2279	30JAN85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
2280	04FEB85	2490	15.7	7.1	-1	1.1	-1	9	-0.1	25	.	.	.	.
2281	06FEB85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
2282	11FEB85	2585	16.6	7.2	-1	1.3	-1	9	-0.1	22	.	.	.	.
2283	13FEB85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
2284	18MAR85	2468	16.6	7.0	-1	0.7	-1	13	-0.1	15	.	.	.	.
2285	20MAR85	.	.	.	.	.	.	.	.	.	6718.1	.	.	.
2286	25MAR85	2447	17.0	7.0	-1	0.8	-1	12	-0.1	15	.	.	.	.
2287	28MAR85	.	.	.	.	.	.	.	.	.	6719.8	.	.	.

STATION LOCATION=RAM-2B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2288	02MAY84	.	.	.	.	.	.	.	.	.	6385.8	.	.	.
2289	08MAY84	.	.	.	.	.	.	.	.	.	6378.0	.	.	.
2290	09MAY84	.	.	.	.	.	.	.	.	.	6377.5	.	.	.
2291	10MAY84	.	.	.	.	.	.	.	.	.	6377.6	.	.	.
2292	11MAY84	.	.	.	.	.	.	.	.	.	6377.6	.	.	.
2293	12MAY84	.	.	.	.	.	.	.	.	.	6377.6	.	.	.
2294	13MAY84	.	.	.	.	.	.	.	.	.	6377.7	.	.	.
2295	14MAY84	.	.	.	.	.	.	.	.	.	6377.5	.	.	.
2296	15MAY84	.	.	.	.	.	.	.	.	.	6377.5	.	.	.
2297	16MAY84	.	.	.	.	.	.	.	.	.	6377.9	.	.	.
2298	17MAY84	.	.	.	.	.	.	.	.	.	6377.9	.	.	.
2299	18MAY84	.	.	.	.	.	.	.	.	.	6378.0	.	.	.
2300	19MAY84	.	.	.	.	.	.	.	.	.	6377.9	.	.	.
2301	20MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2302	21MAY84	.	.	.	.	.	.	.	.	.	6378.1	.	.	.
2303	22MAY84	.	.	.	.	.	.	.	.	.	6378.4	.	.	.
2304	23MAY84	.	.	.	.	.	.	.	.	.	6378.0	.	.	.
2305	24MAY84	.	.	.	.	.	.	.	.	.	6378.6	.	.	.
2306	25MAY84	.	.	.	.	.	.	.	.	.	6404.6	.	.	.
2307	26MAY84	.	.	.	.	.	.	.	.	.	6404.8	.	.	.
2308	27MAY84	.	.	.	.	.	.	.	.	.	6404.7	.	.	.
2309	28MAY84	.	.	.	.	.	.	.	.	.	6407.5	.	.	.
2310	29MAY84	.	.	.	.	.	.	.	.	.	6404.9	.	.	.
2311	30MAY84	.	.	.	.	.	.	.	.	.	6407.5	.	.	.
2312	31MAY84	.	.	.	.	.	.	.	.	.	6407.2	.	.	.
2313	01JUN84	.	.	.	.	.	.	.	.	.	6406.2	.	.	.
2314	02JUN84	.	.	.	.	.	.	.	.	.	6405.8	.	.	.
2315	03JUN84	.	.	.	.	.	.	.	.	.	6406.8	.	.	.
2316	04JUN84	.	.	.	.	.	.	.	.	.	6408.9	.	.	.
2317	05JUN84	.	.	.	.	.	.	.	.	.	6411.1	.	.	.
2318	07JUN84	.	.	.	.	.	.	.	.	.	6413.1	.	.	.
2319	08JUN84	.	.	.	.	.	.	.	.	.	6414.3	.	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2320	09JUN84	.	.	.	.	.	.	.	.	.	6415.4	.	.	.
2321	10JUN84	.	.	.	.	.	.	.	.	.	6417.5	.	.	.
2322	11JUN84	.	.	.	.	.	.	.	.	.	6418.2	.	.	.
2323	12JUN84	.	.	.	.	.	.	.	.	.	6422.8	.	.	.
2324	13JUN84	.	.	.	.	.	.	.	.	.	6425.3	.	.	.
2325	14JUN84	2192	19.7	7.1	-1.0	0.7	-1	-1	-0.1	15	.	.	.	.
2326	15JUN84	.	.	.	.	.	.	.	.	.	6444.3	.	.	.
2327	16JUN84	.	.	.	.	.	.	.	.	.	6449.6	.	.	.
2328	17JUN84	.	.	.	.	.	.	.	.	.	6457.3	.	.	.
2329	18JUN84	.	.	.	.	.	.	.	.	.	6464.0	.	.	.
2330	19JUN84	.	.	.	.	.	.	.	.	.	6470.6	.	.	.
2331	20JUN84	.	.	.	.	.	.	.	.	.	6487.1	.	.	.
2332	21JUN84	.	.	.	.	.	.	.	.	.	6496.3	.	.	.
2333	22JUN84	.	.	.	.	.	.	.	.	.	6516.7	.	.	.
2334	23JUN84	.	.	.	.	.	.	.	.	.	6540.4	.	.	.
2335	24JUN84	.	.	.	.	.	.	.	.	.	6555.7	.	.	.
2336	25JUN84	.	.	.	.	.	.	.	.	.	6563.8	.	.	.
2337	26JUN84	2840	19.3	7.1	-1.0	1.1	.	3	-0.1	12	6570.7	.	.	.
2338	27JUN84	2550	.	7.1	-1.0	0.8	.	6	-0.1	.	6575.3	.	.	.
2339	28JUN84	2346	.	7.1	-1.0	0.9	.	2	-0.1	.	6581.6	.	.	.
2340	29JUN84	2142	.	7.1	-1.0	0.9	.	2	-0.1	.	6587.4	.	.	.
2341	30JUN84	2413	.	7.1	-1.0	0.9	.	2	-0.1	.	6592.3	.	.	.
2342	01JUL84	2442	.	7.2	-1.0	0.9	.	3	-0.1	.	6597.4	.	.	.
2343	02JUL84	2399	.	7.2	-1.0	0.9	.	2	-0.1	.	6603.1	.	.	.
2344	03JUL84	3570	24.3	7.3	1.6	1.2	.	36	0.1	.	6607.8	.	.	.
2345	04JUL84	2550	.	7.1	-1.0	0.9	.	2	-0.1	.	6612.0	.	.	.
2346	05JUL84	2550	.	7.1	-1.0	1.0	.	2	-0.1	20	6616.9	.	.	.
2347	06JUL84	2641	17.3	7.1	-1.0	0.9	.	3	.	17	6621.4	.	.	.
2348	07JUL84	2503	.	7.1	-1.0	0.8	.	2	.	.	6624.6	.	.	.
2349	08JUL84	2451	.	7.2	-1.0	0.8	.	2	.	.	6624.8	.	.	.
2350	09JUL84	1581	.	7.1	-1.0	0.8	.	2	.	.	6631.6	.	.	.
2351	10JUL84	2780	.	7.1	-1.0	0.7	.	2	.	.	6634.8	.	.	.
2352	11JUL84	2920	17.9	7.2	-1.0	0.9	-1	3	.	22	6637.7	.	.	.
2353	12JUL84	2718	.	7.1	-1.0	0.8	.	2	-0.1	.	6640.8	.	.	.
2354	13JUL84	2554	.	7.2	-1.0	0.8	.	2	-0.1	.	6643.0	.	.	.
2355	14JUL84	.	.	.	.	.	.	.	.	.	6644.8	.	.	.
2356	15JUL84	.	.	.	.	.	.	.	.	.	6646.7	.	.	.
2357	16JUL84	1642	18.1	7.2	-1.0	0.8	-1	3	-0.1	31	6648.9	.	.	.
2358	19JUL84	3192	.	7.1	-1.0	1.2	-1	3	-0.1	25	6654.6	.	.	.
2359	23JUL84	3060	.	7.2	-1.0	1.0	-1	2	-0.1	18	6659.9	.	.	.
2360	27JUL84	3086	.	7.2	-1.0	1.2	-1	2	-0.1	29	6664.3	.	.	.
2361	30JUL84	3500	.	7.2	-1.0	1.3	-1	3	-0.1	18	6664.7	.	.	.
2362	02AUG84	2958	.	7.1	-1.0	1.2	-1	2	0.1	15	6669.8	.	.	.
2363	06AUG84	3060	.	7.2	-1.0	1.1	-1	2	-0.1	14	6673.4	.	.	.
2364	09AUG84	3060	.	7.1	.	1.2	-1	2	-0.1	16	6675.5	.	.	.
2365	13AUG84	3825	.	7.2	-1.0	1.4	-1	3	-0.1	22	6678.4	.	.	.
2366	16AUG84	3060	.	7.1	-1.0	1.1	-1	2	-0.1	8	6680.0	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2367	20AUG84	2962	.	7.1	-1.0	1.2	-1	2	-0.1	21	6682.4	.	.	.
2368	23AUG84	2900	17.8	7.1	-1.0	1.2	-1	2	-0.1	22	6683.9	.	.	.
2369	27AUG84	1720	.	7.2	-1.0	1.6	-1	2	-0.1	18	6685.6	.	.	.
2370	30AUG84	2376	.	7.1	-1.0	1.0	-1	2	.	.	.	.	.	.
2371	31AUG84	.	.	.	.	.	.	.	.	.	6688.1	.	.	.
2372	06SEP84	3405	.	7.2	-1.0	1.3	-1	3	-0.1	12	6691.8	.	.	.
2373	13SEP84	3234	.	7.1	-1.0	1.1	-1	3	0.1	19	6694.8	.	.	.
2374	20SEP84	3261	.	7.1	-1.0	1.3	-1	3	-0.1	15	6698.0	.	.	.
2375	22SEP84	.	.	.	.	.	.	.	.	.	6698.7	.	.	.
2376	23SEP84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
2377	24SEP84	.	.	.	.	.	.	.	.	.	6699.4	.	.	.
2378	25SEP84	.	.	.	.	.	.	.	.	.	6698.3	.	.	.
2379	26SEP84	3261	17.2	7.1	-1.0	1.2	-1	3	-0.1	18	.	.	.	.
2380	27SEP84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
2381	28SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
2382	03OCT84	2989	.	7.2	-1.0	1.3	-1	5	-0.1	22	6702.3	.	.	.
2383	10OCT84	3058	.	7.2	1.0	1.1	-1	3	-0.1	15	6704.5	.	.	.
2384	17OCT84	2750	.	7.2	-1.0	1.6	-1	4	-0.1	28	.	.	.	.
2385	18OCT84	.	.	.	.	.	.	.	.	.	6706.8	.	.	.
2386	25OCT84	3048	.	7.2	-1.0	1.3	-1	3	-0.1	15	6708.3	.	.	.
2387	31OCT84	2984	.	7.3	1.2	1.5	-1	3	-0.1	10	.	.	.	.
2388	01NOV84	.	.	.	.	.	.	.	.	.	6709.2	.	.	.
2389	07NOV84	2803	.	7.2	-1.0	1.5	-1	4	-0.1	18	.	.	.	.
2390	14NOV84	2984	14.8	7.3	-1.0	1.4	-1	3	0.1	18	6711.2	.	.	.
2391	20NOV84	3326	15.7	7.3	-1.0	1.3	-1	3	0.1	15	.	.	.	.
2392	21NOV84	.	.	.	.	.	.	.	.	.	6710.2	.	.	.
2393	27NOV84	3815	15.5	7.2	-1.0	1.6	-1	4	-0.1	12	.	.	.	.
2394	28NOV84	.	.	.	.	.	.	.	.	.	6710.5	.	.	.
2395	05DEC84	.	.	.	.	.	.	.	.	.	6711.5	.	.	.
2396	06DEC84	3162	.	7.2	-1.0	1.4	-1	4	0.1	20	.	.	.	.
2397	11DEC84	3100	15.2	7.2	-1.0	1.3	-1	3	0.1	12	.	.	.	.
2398	12DEC84	.	.	.	.	.	.	.	.	.	6712.8	.	.	.
2399	19DEC84	.	.	.	.	.	.	.	.	.	6713.5	.	.	.
2400	20DEC84	2821	14.6	7.2	-1.0	1.2	-1	4	0.1	22	.	.	.	.
2401	26DEC84	3182	16.0	7.3	.	1.3	-1	8	0.1	19	6714.1	.	.	.
2402	02JAN85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
2403	03JAN85	3126	15.0	7.1	.	1.2	-1	3	-0.1	20	.	.	.	.
2404	07JAN85	3110	15.5	7.2	.	1.2	-1	3	0.1	22	.	.	.	.
2405	09JAN85	.	.	.	.	.	.	.	.	.	6714.7	.	.	.
2406	14JAN85	3080	15.5	7.2	-1.0	1.4	-1	3	-0.1	21	.	.	.	.
2407	16JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
2408	21JAN85	3231	15.4	7.2	-1.0	1.5	-1	4	-0.1	22	.	.	.	.
2409	23JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
2410	28JAN85	2964	.	7.1	-1.0	1.5	-1	4	0.1	21	.	.	.	.
2411	30JAN85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
2412	04FEB85	3187	15.5	7.1	-1.0	1.5	-1	3	-0.1	19	.	.	.	.
2413	06FEB85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2414	11FEB85	3114	16.3	7.1	-1	1.8	-1	3	0.1	21	.	.	.	.
2415	13FEB85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
2416	18MAR85	3165	16.0	7.1	-1	1.1	-1	3	-0.1	12	.	.	.	.
2417	20MAR85	.	.	.	.	.	.	.	.	.	6718.0	.	.	.
2418	25MAR85	2990	16.0	7.0	-1	1.2	-1	4	-0.1	12	.	.	.	.
2419	28MAR85	.	.	.	.	.	.	.	.	.	6719.6	.	.	.

STATION LOCATION=RAM-2C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2420	02MAY84	.	.	.	.	.	.	.	.	.	6321.9	.	.	.
2421	08MAY84	.	.	.	.	.	.	.	.	.	6321.7	.	.	.
2422	09MAY84	.	.	.	.	.	.	.	.	.	6320.1	.	.	.
2423	10MAY84	.	.	.	.	.	.	.	.	.	6319.3	.	.	.
2424	11MAY84	.	.	.	.	.	.	.	.	.	6318.6	.	.	.
2425	12MAY84	.	.	.	.	.	.	.	.	.	6318.4	.	.	.
2426	13MAY84	.	.	.	.	.	.	.	.	.	6317.3	.	.	.
2427	14MAY84	.	.	.	.	.	.	.	.	.	6316.5	.	.	.
2428	15MAY84	.	.	.	.	.	.	.	.	.	6315.9	.	.	.
2429	16MAY84	.	.	.	.	.	.	.	.	.	6317.6	.	.	.
2430	17MAY84	.	.	.	.	.	.	.	.	.	6318.3	.	.	.
2431	18MAY84	.	.	.	.	.	.	.	.	.	6318.8	.	.	.
2432	19MAY84	.	.	.	.	.	.	.	.	.	6317.9	.	.	.
2433	20MAY84	.	.	.	.	.	.	.	.	.	6318.0	.	.	.
2434	21MAY84	.	.	.	.	.	.	.	.	.	6317.9	.	.	.
2435	22MAY84	.	.	.	.	.	.	.	.	.	6317.1	.	.	.
2436	23MAY84	.	.	.	.	.	.	.	.	.	6316.3	.	.	.
2437	24MAY84	.	.	.	.	.	.	.	.	.	6316.7	.	.	.
2438	25MAY84	.	.	.	.	.	.	.	.	.	6320.8	.	.	.
2439	26MAY84	.	.	.	.	.	.	.	.	.	6324.0	.	.	.
2440	27MAY84	.	.	.	.	.	.	.	.	.	6320.8	.	.	.
2441	28MAY84	.	.	.	.	.	.	.	.	.	6324.9	.	.	.
2442	29MAY84	.	.	.	.	.	.	.	.	.	6326.9	.	.	.
2443	30MAY84	.	.	.	.	.	.	.	.	.	6326.6	.	.	.
2444	31MAY84	.	.	.	.	.	.	.	.	.	6327.8	.	.	.
2445	01JUN84	.	.	.	.	.	.	.	.	.	6329.1	.	.	.
2446	02JUN84	.	.	.	.	.	.	.	.	.	6329.9	.	.	.
2447	03JUN84	.	.	.	.	.	.	.	.	.	6331.4	.	.	.
2448	04JUN84	.	.	.	.	.	.	.	.	.	6334.2	.	.	.
2449	05JUN84	.	.	.	.	.	.	.	.	.	6337.0	.	.	.
2450	06JUN84	1871	22.8	7.4	-1	2	-1	-1	-0.1	38	.	.	.	.
2451	07JUN84	.	.	.	.	.	.	.	.	.	6345.0	.	.	.
2452	08JUN84	.	.	.	.	.	.	.	.	.	6355.6	.	.	.
2453	09JUN84	.	.	.	.	.	.	.	.	.	6366.1	.	.	.
2454	10JUN84	.	.	.	.	.	.	.	.	.	6370.6	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2455	11JUN84	.	.	.	.	.	.	.	.	.	6393.8	.	.	.
2456	12JUN84	.	.	.	.	.	.	.	.	.	6411.5	.	.	.
2457	13JUN84	.	.	.	.	.	.	.	.	.	6423.5	.	.	.
2458	15JUN84	.	.	.	.	.	.	.	.	.	6444.8	.	.	.
2459	16JUN84	.	.	.	.	.	.	.	.	.	6449.5	.	.	.
2460	17JUN84	.	.	.	.	.	.	.	.	.	6457.7	.	.	.
2461	18JUN84	.	.	.	.	.	.	.	.	.	6465.3	.	.	.
2462	19JUN84	.	.	.	.	.	.	.	.	.	6471.3	.	.	.
2463	20JUN84	.	.	.	.	.	.	.	.	.	6484.6	.	.	.
2464	21JUN84	.	.	.	.	.	.	.	.	.	6496.9	.	.	.
2465	22JUN84	.	.	.	.	.	.	.	.	.	6516.4	.	.	.
2466	23JUN84	.	.	.	.	.	.	.	.	.	6540.7	.	.	.
2467	24JUN84	.	.	.	.	.	.	.	.	.	6556.9	.	.	.
2468	25JUN84	.	.	.	.	.	.	.	.	.	6564.9	.	.	.
2469	26JUN84	.	.	.	.	.	.	.	.	.	6571.8	.	.	.
2470	27JUN84	.	.	.	.	.	.	.	.	.	6576.4	.	.	.
2471	28JUN84	.	.	.	.	.	.	.	.	.	6582.6	.	.	.
2472	29JUN84	.	.	.	.	.	.	.	.	.	6588.2	.	.	.
2473	30JUN84	.	.	.	.	.	.	.	.	.	6593.1	.	.	.
2474	01JUL84	.	.	.	.	.	.	.	.	.	6598.2	.	.	.
2475	02JUL84	.	.	.	.	.	.	.	.	.	6603.9	.	.	.
2476	03JUL84	1550	22.0	7.2	.	.	.	.	.	.	6608.9	.	.	.
2477	04JUL84	.	.	.	.	.	.	.	.	.	6612.7	.	.	.
2478	05JUL84	.	.	.	.	.	.	.	.	.	6617.7	.	.	.
2479	06JUL84	1702	20.2	7.3	-1	1.5	.	2	.	34	6622.2	.	.	.
2480	07JUL84	.	.	.	.	.	.	.	.	.	6625.3	.	.	.
2481	08JUL84	.	.	.	.	.	.	.	.	.	6623.1	.	.	.
2482	09JUL84	.	.	.	.	.	.	.	.	.	6632.4	.	.	.
2483	10JUL84	.	.	.	.	.	.	.	.	.	6635.4	.	.	.
2484	11JUL84	.	.	.	.	.	.	.	.	.	6638.4	.	.	.
2485	12JUL84	.	.	.	.	.	.	.	.	.	6641.5	.	.	.
2486	13JUL84	.	.	.	.	.	.	.	.	.	6643.8	.	.	.
2487	14JUL84	.	.	.	.	.	.	.	.	.	6645.4	.	.	.
2488	15JUL84	.	.	.	.	.	.	.	.	.	6647.4	.	.	.
2489	16JUL84	1536	20.8	7.6	-1	1.5	.	2	-0.1	34	6649.9	.	.	.
2490	19JUL84	1565	.	7.5	-1	1.7	-1	2	-0.1	25	6655.4	.	.	.
2491	23JUL84	1632	.	7.6	-1	1.7	1	1	-0.1	38	6660.6	.	.	.
2492	27JUL84	1617	.	7.6	-1	1.9	-1	-1	-0.1	35	6664.0	.	.	.
2493	30JUL84	1600	.	7.5	-1	1.8	-1	1	-0.1	21	6665.0	.	.	.
2494	02AUG84	1632	.	7.5	-1	1.6	-1	1	0.1	21	6670.5	.	.	.
2495	06AUG84	1632	.	7.5	-1	1.8	-1	1	-0.1	19	6674.2	.	.	.
2496	09AUG84	1530	.	7.5	.	1.7	-1	1	-0.1	22	6676.3	.	.	.
2497	13AUG84	1622	.	7.6	-1	1.7	-1	1	-0.1	20	6679.2	.	.	.
2498	16AUG84	1530	.	7.5	-1	1.7	-1	1	-0.1	12	6680.9	.	.	.
2499	20AUG84	1460	.	7.5	-1	1.8	-1	1	-0.1	31	6683.2	.	.	.
2500	23AUG84	1420	20.3	7.5	-1	1.7	-1	1	-0.1	31	6684.8	.	.	.
2501	27AUG84	1575	.	7.5	-1	2.1	-1	1	-0.1	22	6686.3	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-2C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2502	30AUG84	1425	.	7.5	-1	1.6	-1	1	.	.	.	.	.	.
2503	31AUG84	.	.	.	.	.	.	.	.	.	6688.7	.	.	.
2504	06SEP84	1718	.	7.6	-1	1.9	-1	2	-0.1	25	6692.5	.	.	.
2505	13SEP84	1563	.	7.5	-1	1.4	-1	2	-0.1	25	6695.7	.	.	.
2506	20SEP84	1631	.	7.5	-1	1.8	-1	2	-0.1	20	6698.8	.	.	.
2507	22SEP84	.	.	.	.	.	.	.	.	.	6700.6	.	.	.
2508	23SEP84	.	.	.	.	.	.	.	.	.	6699.7	.	.	.
2509	24SEP84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
2510	25SEP84	.	.	.	.	.	.	.	.	.	6699.0	.	.	.
2511	26SEP84	1598	19.3	7.6	-1	1.6	-1	2	-0.1	25	.	.	.	.
2512	27SEP84	.	.	.	.	.	.	.	.	.	6700.9	.	.	.
2513	03OCT84	2707	.	7.6	-1	1.8	-1	2	-0.1	25	6703.2	.	.	.
2514	10OCT84	1663	.	7.6	-1	1.7	-1	2	-0.1	18	6705.4	.	.	.
2515	17OCT84	1615	.	7.5	-1	2.3	-1	2	-0.1	30	.	.	.	.
2516	18OCT84	.	.	.	.	.	.	.	.	.	6706.6	.	.	.
2517	25OCT84	1577	.	7.6	-1	1.7	-1	3	-0.1	18	6708.8	.	.	.
2518	31OCT84	1569	.	7.6	-1	1.9	-1	2	-0.1	20	.	.	.	.
2519	01NOV84	.	.	.	.	.	.	.	.	.	6710.0	.	.	.
2520	07NOV84	1644	.	7.5	-1	2.2	-1	3	0.1	25	.	.	.	.
2521	14NOV84	1657	17.9	7.6	-1	1.9	-1	2	-0.1	22	6711.9	.	.	.
2522	20NOV84	1688	19.0	7.6	-1	1.7	-1	2	-0.1	18	.	.	.	.
2523	21NOV84	.	.	.	.	.	.	.	.	.	6711.2	.	.	.
2524	27NOV84	1606	18.3	7.5	-1	1.8	-1	2	-0.1	18	.	.	.	.
2525	28NOV84	.	.	.	.	.	.	.	.	.	6712.5	.	.	.
2526	05DEC84	.	.	.	.	.	.	.	.	.	6712.5	.	.	.
2527	06DEC84	1540	.	7.7	-1	1.8	-1	2	-0.1	21	.	.	.	.
2528	11DEC84	1577	18.6	7.6	-1	1.7	-1	2	-0.1	15	.	.	.	.
2529	12DEC84	.	.	.	.	.	.	.	.	.	6713.4	.	.	.
2530	19DEC84	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
2531	20DEC84	1506	18.6	7.6	-1	1.6	-1	2	-0.1	28	.	.	.	.
2532	26DEC84	1640	18.0	7.5	.	1.7	-1	3	-0.1	28	6715.0	.	.	.
2533	02JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
2534	03JAN85	1538	18.3	7.5	.	1.7	-1	2	-0.1	25	.	.	.	.
2535	07JAN85	1540	18.4	7.6	.	1.5	-1	2	-0.1	25	.	.	.	.
2536	09JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
2537	14JAN85	1500	18.7	7.6	-1	1.8	-1	2	-0.1	30	.	.	.	.
2538	16JAN85	.	.	.	.	.	.	.	.	.	6715.6	.	.	.
2539	21JAN85	1467	18.3	7.6	-1	1.9	-1	2	-0.1	25	.	.	.	.
2540	23JAN85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
2541	28JAN85	1581	.	7.4	-1	1.9	-1	3	-0.1	24	.	.	.	.
2542	30JAN85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
2543	04FEB85	1544	18.1	7.6	-1	1.8	-1	2	-0.1	19	.	.	.	.
2544	06FEB85	.	.	.	.	.	.	.	.	.	6716.5	.	.	.
2545	11FEB85	1612	19.4	7.6	-1	2.3	-1	2	-0.1	25	.	.	.	.
2546	13FEB85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
2547	18MAR85	1610	19.1	7.5	-1	1.5	-1	2	-0.1	22	.	.	.	.
2548	20MAR85	.	.	.	.	.	.	.	.	.	6718.7	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-2C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2549	25MAR85	1569	18.6	7.4	-1	1.7	-1	2	-0.1	20	.	.	.	.
2550	28MAR85	.	.	.	.	.	.	.	.	.	6720.3	.	.	.

STATION LOCATION=RAM-2G

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2551	08MAY84	.	.	.	.	.	.	.	.	.	6175.2	.	.	.
2552	09MAY84	.	.	.	.	.	.	.	.	.	6174.6	.	.	.
2553	10MAY84	.	.	.	.	.	.	.	.	.	6175.0	.	.	.
2554	11MAY84	.	.	.	.	.	.	.	.	.	6174.5	.	.	.
2555	12MAY84	.	.	.	.	.	.	.	.	.	6174.3	.	.	.
2556	14MAY84	.	.	.	.	.	.	.	.	.	6178.3	.	.	.
2557	17MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2558	18MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2559	19MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2560	20MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2561	21MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2562	22MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2563	23MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2564	24MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
2565	25MAY84	2209	.	8.1	-1.0	4.1	-1	-1	-0.1	56	6217.1	.	.	.
2566	26MAY84	.	.	.	.	.	.	.	.	.	6218.5	.	.	.
2567	27MAY84	.	.	.	.	.	.	.	.	.	6218.5	.	.	.
2568	28MAY84	.	.	.	.	.	.	.	.	.	6235.5	.	.	.
2569	29MAY84	.	.	.	.	.	.	.	.	.	6242.3	.	.	.
2570	30MAY84	.	.	.	.	.	.	.	.	.	6246.5	.	.	.
2571	31MAY84	.	.	.	.	.	.	.	.	.	6251.1	.	.	.
2572	01JUN84	.	.	.	.	.	.	.	.	.	6295.9	.	.	.
2573	02JUN84	.	.	.	.	.	.	.	.	.	6261.2	.	.	.
2574	03JUN84	.	.	.	.	.	.	.	.	.	6267.0	.	.	.
2575	04JUN84	.	.	.	.	.	.	.	.	.	6274.0	.	.	.
2576	05JUN84	.	.	.	.	.	.	.	.	.	6280.5	.	.	.
2577	07JUN84	.	.	.	.	.	.	.	.	.	6295.2	.	.	.
2578	08JUN84	.	.	.	.	.	.	.	.	.	6304.4	.	.	.
2579	09JUN84	.	.	.	.	.	.	.	.	.	6315.1	.	.	.
2580	10JUN84	.	.	.	.	.	.	.	.	.	6329.5	.	.	.
2581	11JUN84	.	.	.	.	.	.	.	.	.	6341.1	.	.	.
2582	12JUN84	.	.	.	.	.	.	.	.	.	6357.0	.	.	.
2583	13JUN84	.	.	.	.	.	.	.	.	.	6371.5	.	.	.
2584	15JUN84	.	.	.	.	.	.	.	.	.	6396.8	.	.	.
2585	16JUN84	.	.	.	.	.	.	.	.	.	6406.0	.	.	.
2586	17JUN84	.	.	.	.	.	.	.	.	.	6414.7	.	.	.
2587	18JUN84	.	.	.	.	.	.	.	.	.	6429.2	.	.	.
2588	19JUN84	.	.	.	.	.	.	.	.	.	6431.2	.	.	.
2589	20JUN84	.	.	.	.	.	.	.	.	.	6444.0	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RAM-2G

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2590	21JUN84	.	.	.	.	.	.	.	.	.	6455.6	.	.	.
2591	22JUN84	.	.	.	.	.	.	.	.	.	6472.3	.	.	.
2592	23JUN84	.	.	.	.	.	.	.	.	.	6495.2	.	.	.
2593	24JUN84	.	.	.	.	.	.	.	.	.	6513.1	.	.	.
2594	25JUN84	.	.	.	.	.	.	.	.	.	6524.0	.	.	.
2595	26JUN84	2044	19.6	7.3	2.6	4.0	.	19	-0.1	10	6535.3	.	.	.
2596	27JUN84	.	.	.	.	.	.	.	.	.	6541.3	.	.	.
2597	28JUN84	.	.	.	.	.	.	.	.	.	6549.3	.	.	.
2598	29JUN84	.	.	.	.	.	.	.	.	.	6557.4	.	.	.
2599	30JUN84	.	.	.	.	.	.	.	.	.	6563.5	.	.	.
2600	01JUL84	.	.	.	.	.	.	.	.	.	6569.7	.	.	.
2601	02JUL84	.	.	.	.	.	.	.	.	.	6576.7	.	.	.
2602	03JUL84	.	.	.	.	.	.	.	.	.	6582.1	.	.	.
2603	04JUL84	.	.	.	.	.	.	.	.	.	6587.1	.	.	.
2604	05JUL84	.	.	.	.	.	.	.	.	.	6593.0	.	.	.
2605	06JUL84	1957	18.9	7.2	-1.0	1.7	.	3	.	12	6598.7	.	.	.
2606	07JUL84	.	.	.	.	.	.	.	.	.	6602.0	.	.	.
2607	08JUL84	.	.	.	.	.	.	.	.	.	6601.9	.	.	.
2608	09JUL84	.	.	.	.	.	.	.	.	.	6610.8	.	.	.
2609	10JUL84	.	.	.	.	.	.	.	.	.	6614.6	.	.	.
2610	11JUL84	.	.	.	.	.	.	.	.	.	6618.1	.	.	.
2611	12JUL84	.	.	.	.	.	.	.	.	.	6622.2	.	.	.
2612	13JUL84	.	.	.	.	.	.	.	.	.	6624.9	.	.	.
2613	14JUL84	.	.	.	.	.	.	.	.	.	6627.1	.	.	.
2614	15JUL84	.	.	.	.	.	.	.	.	.	6629.5	.	.	.
2615	16JUL84	1958	18.7	7.3	1.8	2.0	-1	10	-0.1	12	6632.3	.	.	.
2616	19JUL84	.	.	.	.	.	.	.	.	.	6639.4	.	.	.
2617	23JUL84	.	.	.	.	.	.	.	.	.	6646.1	.	.	.
2618	27JUL84	.	.	.	.	.	.	.	.	.	6651.7	.	.	.
2619	30JUL84	.	.	.	.	.	.	.	.	.	6652.7	.	.	.
2620	02AUG84	.	.	.	.	.	.	.	.	.	6658.4	.	.	.
2621	06AUG84	.	.	.	.	.	.	.	.	.	6662.6	.	.	.
2622	09AUG84	.	.	.	.	.	.	.	.	.	6665.4	.	.	.
2623	13AUG84	.	.	.	.	.	.	.	.	.	6668.8	.	.	.
2624	16AUG84	.	.	.	.	.	.	.	.	.	6671.1	.	.	.
2625	20AUG84	.	.	.	.	.	.	.	.	.	6673.8	.	.	.
2626	23AUG84	1700	18.4	7.3	-1.0	2.2	-1	4	-0.1	18	6675.7	.	.	.
2627	27AUG84	.	.	.	.	.	.	.	.	.	6678.2	.	.	.
2628	31AUG84	.	.	.	.	.	.	.	.	.	6681.1	.	.	.
2629	06SEP84	.	.	.	.	.	.	.	.	.	6685.6	.	.	.
2630	13SEP84	.	.	.	.	.	.	.	.	.	6689.3	.	.	.
2631	20SEP84	.	.	.	.	.	.	.	.	.	6692.7	.	.	.
2632	22SEP84	.	.	.	.	.	.	.	.	.	6693.6	.	.	.
2633	23SEP84	.	.	.	.	.	.	.	.	.	6693.7	.	.	.
2634	24SEP84	.	.	.	.	.	.	.	.	.	6694.2	.	.	.
2635	25SEP84	.	.	.	.	.	.	.	.	.	6693.3	.	.	.
2636	26SEP84	1957	18.4	7.3	1.1	2.7	-1	11	-0.1	20	.	.	.	.

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STATION LOCATION=RAM-2G

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2637	27SEP84	.	.	.	.	.	.	.	.	.	6695.4	.	.	.
2638	03OCT84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
2639	10OCT84	2039	.	7.4	1.0	2.1	-1	4	-0.1	15	6700.3	.	.	.
2640	17OCT84	1965	.	7.5	1.0	2.6	-1	3	-0.1	19	.	.	.	.
2641	18OCT84	.	.	.	.	.	.	.	.	.	6706.8	.	.	.
2642	25OCT84	.	.	.	.	.	.	.	.	.	6704.4	.	.	.
2643	01NOV84	.	.	.	.	.	.	.	.	.	6705.8	.	.	.
2644	14NOV84	1852	15.7	7.5	-1.0	2.3	-1	2	-0.1	12	6708.1	.	.	.
2645	21NOV84	.	.	.	.	.	.	.	.	.	6707.6	.	.	.
2646	28NOV84	.	.	.	.	.	.	.	.	.	6708.8	.	.	.
2647	05DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	.	.
2648	11DEC84	1866	.	7.6	1.4	3.1	-1	10	-0.1	8	.	.	.	.
2649	12DEC84	.	.	.	.	.	.	.	.	.	6710.2	.	.	.
2650	19DEC84	.	.	.	.	.	.	.	.	.	6711.2	.	.	.
2651	20DEC84	1807	15.8	7.4	-1.0	2.0	-1	3	-0.1	20	.	.	.	.
2652	26DEC84	.	.	.	.	.	.	.	.	.	6712.0	.	.	.
2653	02JAN85	.	.	.	.	.	.	.	.	.	6712.3	.	.	.
2654	09JAN85	.	.	.	.	.	.	.	.	.	6712.5	.	.	.
2655	14JAN85	2000	16.9	7.5	2.1	3.3	-1	23	-0.1	22	.	.	.	.
2656	16JAN85	.	.	.	.	.	.	.	.	.	6712.8	.	.	.
2657	21JAN85	2325	16.0	7.7	5.4	8.2	-1	75	0.1	30	.	.	.	.
2658	23JAN85	.	.	.	.	.	.	.	.	.	6712.8	.	.	.
2659	28JAN85	1798	.	7.3	-1.0	2.2	-1	2	-0.1	18	.	.	.	.
2660	30JAN85	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
2661	04FEB85	2012	17.0	7.5	2.0	4.2	-1	30	-0.1	15	.	.	.	.
2662	06FEB85	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
2663	11FEB85	2002	17.7	7.4	1.7	4.0	-1	16	-0.1	20	.	.	.	.
2664	13FEB85	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
2665	18MAR85	2253	17.6	7.5	3.7	5.2	-1	47	-0.1	20	.	.	.	.
2666	20MAR85	.	.	.	.	.	.	.	.	.	6716.6	.	.	.
2667	25MAR85	1968	17.0	7.4	2.6	3.9	-1	28	-0.1	12	.	.	.	.
2668	28MAR85	.	.	.	.	.	.	.	.	.	6718.2	.	.	.

STATION LOCATION=RAM-2S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2669	02MAY84	.	.	.	.	.	.	.	.	.	6730.2	.	.	.
2670	08MAY84	.	.	.	.	.	.	.	.	.	6763.5	.	.	.
2671	09MAY84	.	.	.	.	.	.	.	.	.	6760.5	.	.	.
2672	10MAY84	.	.	.	.	.	.	.	.	.	6759.9	.	.	.
2673	11MAY84	.	.	.	.	.	.	.	.	.	6759.9	.	.	.
2674	12MAY84	.	.	.	.	.	.	.	.	.	6759.7	.	.	.
2675	13MAY84	.	.	.	.	.	.	.	.	.	6762.6	.	.	.
2676	14MAY84	.	.	.	.	.	.	.	.	.	6763.2	.	.	.
2677	15MAY84	.	.	.	.	.	.	.	.	.	6763.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-2S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2678	16MAY84	.	.	.	.	.	.	.	.	.	6764.8	.	.	.
2679	17MAY84	.	.	.	.	.	.	.	.	.	6764.4	.	.	.
2680	18MAY84	.	.	.	.	.	.	.	.	.	6764.6	.	.	.
2681	19MAY84	.	.	.	.	.	.	.	.	.	6761.3	.	.	.
2682	20MAY84	.	.	.	.	.	.	.	.	.	6761.9	.	.	.
2683	21MAY84	.	.	.	.	.	.	.	.	.	6761.3	.	.	.
2684	22MAY84	.	.	.	.	.	.	.	.	.	6760.2	.	.	.
2685	23MAY84	.	.	.	.	.	.	.	.	.	6756.5	.	.	.
2686	24MAY84	.	.	.	.	.	.	.	.	.	6758.4	.	.	.
2687	25MAY84	.	.	.	.	.	.	.	.	.	6758.7	.	.	.
2688	26MAY84	.	.	.	.	.	.	.	.	.	6760.4	.	.	.
2689	27MAY84	.	.	.	.	.	.	.	.	.	6759.8	.	.	.
2690	28MAY84	.	.	.	.	.	.	.	.	.	6761.5	.	.	.
2691	29MAY84	.	.	.	.	.	.	.	.	.	6757.1	.	.	.
2692	30MAY84	.	.	.	.	.	.	.	.	.	6750.4	.	.	.
2693	31MAY84	.	.	.	.	.	.	.	.	.	6750.9	.	.	.
2694	01JUN84	.	.	.	.	.	.	.	.	.	6751.7	.	.	.
2695	02JUN84	.	.	.	.	.	.	.	.	.	6751.2	.	.	.
2696	03JUN84	.	.	.	.	.	.	.	.	.	6753.9	.	.	.
2697	04JUN84	.	.	.	.	.	.	.	.	.	6756.2	.	.	.
2698	05JUN84	.	.	.	.	.	.	.	.	.	6755.2	.	.	.
2699	07JUN84	.	.	.	.	.	.	.	.	.	6751.4	.	.	.
2700	08JUN84	.	.	.	.	.	.	.	.	.	6747.7	.	.	.
2701	09JUN84	.	.	.	.	.	.	.	.	.	6748.5	.	.	.
2702	10JUN84	.	.	.	.	.	.	.	.	.	6747.9	.	.	.
2703	11JUN84	.	.	.	.	.	.	.	.	.	6755.8	.	.	.
2704	12JUN84	.	.	.	.	.	.	.	.	.	6757.5	.	.	.
2705	13JUN84	.	.	.	.	.	.	.	.	.	6757.3	.	.	.
2706	15JUN84	.	.	.	.	.	.	.	.	.	6756.4	.	.	.
2707	16JUN84	.	.	.	.	.	.	.	.	.	6754.9	.	.	.
2708	17JUN84	.	.	.	.	.	.	.	.	.	6751.7	.	.	.
2709	18JUN84	.	.	.	.	.	.	.	.	.	6745.7	.	.	.
2710	19JUN84	.	.	.	.	.	.	.	.	.	6743.9	.	.	.
2711	20JUN84	.	.	.	.	.	.	.	.	.	6743.6	.	.	.
2712	21JUN84	.	.	.	.	.	.	.	.	.	6744.4	.	.	.
2713	22JUN84	.	.	.	.	.	.	.	.	.	6741.1	.	.	.
2714	23JUN84	.	.	.	.	.	.	.	.	.	6740.2	.	.	.
2715	24JUN84	.	.	.	.	.	.	.	.	.	6739.8	.	.	.
2716	25JUN84	.	.	.	.	.	.	.	.	.	6740.6	.	.	.
2717	26JUN84	.	.	.	.	.	.	.	.	.	6741.4	.	.	.
2718	27JUN84	.	.	.	.	.	.	.	.	.	6741.4	.	.	.
2719	28JUN84	.	.	.	.	.	.	.	.	.	6742.2	.	.	.
2720	29JUN84	.	.	.	.	.	.	.	.	.	6743.9	.	.	.
2721	30JUN84	.	.	.	.	.	.	.	.	.	6744.9	.	.	.
2722	01JUL84	.	.	.	.	.	.	.	.	.	6745.3	.	.	.
2723	02JUL84	.	.	.	.	.	.	.	.	.	6746.7	.	.	.
2724	03JUL84	.	.	.	.	.	.	.	.	.	6748.0	.	.	.

RIO BLANCO OIL SHALE COMPANY
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MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-2S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2725	04JUL84	.	.	.	.	.	.	.	.	.	6753.2	.	.	.
2726	05JUL84	.	.	.	.	.	.	.	.	.	6748.4	.	.	.
2727	06JUL84	.	.	.	.	.	.	.	.	.	6745.1	.	.	.
2728	07JUL84	.	.	.	.	.	.	.	.	.	6739.2	.	.	.
2729	08JUL84	.	.	.	.	.	.	.	.	.	6741.0	.	.	.
2730	09JUL84	.	.	.	.	.	.	.	.	.	6740.8	.	.	.
2731	10JUL84	.	.	.	.	.	.	.	.	.	6744.9	.	.	.
2732	11JUL84	.	.	.	.	.	.	.	.	.	6739.0	.	.	.
2733	12JUL84	.	.	.	.	.	.	.	.	.	6741.0	.	.	.
2734	13JUL84	.	.	.	.	.	.	.	.	.	6641.4	.	.	.
2735	14JUL84	.	.	.	.	.	.	.	.	.	6741.3	.	.	.
2736	15JUL84	.	.	.	.	.	.	.	.	.	6743.3	.	.	.
2737	19JUL84	.	.	.	.	.	.	.	.	.	6748.9	.	.	.
2738	23JUL84	.	.	.	.	.	.	.	.	.	6747.1	.	.	.
2739	27JUL84	.	.	.	.	.	.	.	.	.	6742.3	.	.	.
2740	30JUL84	.	.	.	.	.	.	.	.	.	6744.7	.	.	.
2741	02AUG84	.	.	.	.	.	.	.	.	.	6735.9	.	.	.
2742	06AUG84	.	.	.	.	.	.	.	.	.	6733.8	.	.	.
2743	09AUG84	.	.	.	.	.	.	.	.	.	6733.9	.	.	.
2744	13AUG84	.	.	.	.	.	.	.	.	.	6734.0	.	.	.
2745	16AUG84	.	.	.	.	.	.	.	.	.	6733.6	.	.	.
2746	20AUG84	.	.	.	.	.	.	.	.	.	6733.9	.	.	.
2747	23AUG84	.	.	.	.	.	.	.	.	.	6729.3	.	.	.
2748	27AUG84	.	.	.	.	.	.	.	.	.	6736.9	.	.	.
2749	31AUG84	.	.	.	.	.	.	.	.	.	6735.6	.	.	.
2750	06SEP84	.	.	.	.	.	.	.	.	.	6735.2	.	.	.
2751	13SEP84	.	.	.	.	.	.	.	.	.	6734.1	.	.	.
2752	20SEP84	.	.	.	.	.	.	.	.	.	6734.9	.	.	.
2753	27SEP84	.	.	.	.	.	.	.	.	.	6729.5	.	.	.
2754	030CT84	.	.	.	.	.	.	.	.	.	6727.7	.	.	.
2755	100CT84	.	.	.	.	.	.	.	.	.	6729.4	.	.	.
2756	180CT84	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
2757	250CT84	.	.	.	.	.	.	.	.	.	6731.4	.	.	.
2758	01NOV84	.	.	.	.	.	.	.	.	.	6723.3	.	.	.
2759	14NOV84	.	.	.	.	.	.	.	.	.	6723.0	.	.	.
2760	21NOV84	.	.	.	.	.	.	.	.	.	6722.3	.	.	.
2761	28NOV84	.	.	.	.	.	.	.	.	.	6720.8	.	.	.
2762	05DEC84	.	.	.	.	.	.	.	.	.	6729.7	.	.	.
2763	12DEC84	.	.	.	.	.	.	.	.	.	6724.4	.	.	.
2764	19DEC84	.	.	.	.	.	.	.	.	.	6723.9	.	.	.
2765	26DEC84	.	.	.	.	.	.	.	.	.	6724.0	.	.	.
2766	02JAN85	.	.	.	.	.	.	.	.	.	6723.4	.	.	.
2767	09JAN85	.	.	.	.	.	.	.	.	.	6724.4	.	.	.
2768	16JAN85	.	.	.	.	.	.	.	.	.	6723.6	.	.	.
2769	23JAN85	.	.	.	.	.	.	.	.	.	6723.5	.	.	.
2770	30JAN85	.	.	.	.	.	.	.	.	.	6723.6	.	.	.
2771	06FEB85	.	.	.	.	.	.	.	.	.	6723.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
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MASTER PRINT OF DATA SET DMR.MASTER

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2772	13FEB85	.	.	.	.	.	.	.	.	.	6723.0	.	.	.
2773	20MAR85	.	.	.	.	.	.	.	.	.	6725.2	.	.	.
2774	28MAR85	.	.	.	.	.	.	.	.	.	6725.6	.	.	.

STATION LOCATION=RAM-3A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2775	08MAY84	.	.	.	.	.	.	.	.	.	6476.1	.	.	.
2776	09MAY84	.	.	.	.	.	.	.	.	.	6476.1	.	.	.
2777	10MAY84	.	.	.	.	.	.	.	.	.	6476.0	.	.	.
2778	11MAY84	.	.	.	.	.	.	.	.	.	6476.0	.	.	.
2779	12MAY84	.	.	.	.	.	.	.	.	.	6476.0	.	.	.
2780	13MAY84	.	.	.	.	.	.	.	.	.	6476.0	.	.	.
2781	14MAY84	.	.	.	.	.	.	.	.	.	6476.0	.	.	.
2782	15MAY84	.	.	.	.	.	.	.	.	.	6476.0	.	.	.
2783	16MAY84	.	.	.	.	.	.	.	.	.	6476.2	.	.	.
2784	17MAY84	.	.	.	.	.	.	.	.	.	6476.3	.	.	.
2785	18MAY84	.	.	.	.	.	.	.	.	.	6476.4	.	.	.
2786	19MAY84	.	.	.	.	.	.	.	.	.	6476.5	.	.	.
2787	20MAY84	.	.	.	.	.	.	.	.	.	6476.4	.	.	.
2788	21MAY84	.	.	.	.	.	.	.	.	.	6476.4	.	.	.
2789	22MAY84	.	.	.	.	.	.	.	.	.	6476.4	.	.	.
2790	23MAY84	.	.	.	.	.	.	.	.	.	6476.5	.	.	.
2791	24MAY84	.	.	.	.	.	.	.	.	.	6476.4	.	.	.
2792	25MAY84	.	.	.	.	.	.	.	.	.	6476.4	.	.	.
2793	26MAY84	.	.	.	.	.	.	.	.	.	6476.4	.	.	.
2794	27MAY84	.	.	.	.	.	.	.	.	.	6476.5	.	.	.
2795	28MAY84	.	.	.	.	.	.	.	.	.	6476.5	.	.	.
2796	29MAY84	.	.	.	.	.	.	.	.	.	6474.6	.	.	.
2797	30MAY84	.	.	.	.	.	.	.	.	.	6476.5	.	.	.
2798	31MAY84	.	.	.	.	.	.	.	.	.	6476.0	.	.	.
2799	01JUN84	.	.	.	.	.	.	.	.	.	6476.6	.	.	.
2800	02JUN84	.	.	.	.	.	.	.	.	.	6477.2	.	.	.
2801	03JUN84	.	.	.	.	.	.	.	.	.	6494.0	.	.	.
2802	04JUN84	.	.	.	.	.	.	.	.	.	6494.3	.	.	.
2803	05JUN84	.	.	.	.	.	.	.	.	.	6496.2	.	.	.
2804	07JUN84	.	.	.	.	.	.	.	.	.	6494.7	.	.	.
2805	08JUN84	.	.	.	.	.	.	.	.	.	6497.4	.	.	.
2806	09JUN84	.	.	.	.	.	.	.	.	.	6499.6	.	.	.
2807	10JUN84	.	.	.	.	.	.	.	.	.	6500.7	.	.	.
2808	12JUN84	.	.	.	.	.	.	.	.	.	6504.8	.	.	.
2809	13JUN84	.	.	.	.	.	.	.	.	.	6506.2	.	.	.
2810	15JUN84	.	.	.	.	.	.	.	.	.	6510.8	.	.	.
2811	16JUN84	.	.	.	.	.	.	.	.	.	6512.3	.	.	.
2812	17JUN84	.	.	.	.	.	.	.	.	.	6514.7	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RAM-3A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2813	18JUN84	.	.	.	.	.	.	.	.	.	6517.0	.	.	.
2814	19JUN84	.	.	.	.	.	.	.	.	.	6519.1	.	.	.
2815	20JUN84	.	.	.	.	.	.	.	.	.	6522.5	.	.	.
2816	21JUN84	.	.	.	.	.	.	.	.	.	6526.0	.	.	.
2817	22JUN84	.	.	.	.	.	.	.	.	.	6532.6	.	.	.
2818	23JUN84	.	.	.	.	.	.	.	.	.	6543.9	.	.	.
2819	24JUN84	.	.	.	.	.	.	.	.	.	6554.7	.	.	.
2820	25JUN84	.	.	.	.	.	.	.	.	.	6562.3	.	.	.
2821	26JUN84	2272	13.3	7.4	-1	1.0	.	2	-0.1	12	6570.6	.	.	.
2822	27JUN84	.	.	.	.	.	.	.	.	.	6575.2	.	.	.
2823	28JUN84	.	.	.	.	.	.	.	.	.	6581.5	.	.	.
2824	29JUN84	.	.	.	.	.	.	.	.	.	6587.7	.	.	.
2825	30JUN84	.	.	.	.	.	.	.	.	.	6592.0	.	.	.
2826	01JUL84	.	.	.	.	.	.	.	.	.	6597.0	.	.	.
2827	02JUL84	.	.	.	.	.	.	.	.	.	6602.1	.	.	.
2828	03JUL84	.	.	.	.	.	.	.	.	.	6607.7	.	.	.
2829	04JUL84	.	.	.	.	.	.	.	.	.	6611.8	.	.	.
2830	05JUL84	.	.	.	.	.	.	.	.	.	6616.8	.	.	.
2831	06JUL84	2335	13.0	7.1	-1	0.9	.	-1	.	18	6621.1	.	.	.
2832	07JUL84	.	.	.	.	.	.	.	.	.	6624.5	.	.	.
2833	08JUL84	.	.	.	.	.	.	.	.	.	6622.1	.	.	.
2834	09JUL84	.	.	.	.	.	.	.	.	.	6631.3	.	.	.
2835	10JUL84	.	.	.	.	.	.	.	.	.	6634.5	.	.	.
2836	11JUL84	.	.	.	.	.	.	.	.	.	6637.1	.	.	.
2837	12JUL84	.	.	.	.	.	.	.	.	.	6640.5	.	.	.
2838	13JUL84	.	.	.	.	.	.	.	.	.	6642.7	.	.	.
2839	14JUL84	.	.	.	.	.	.	.	.	.	6644.3	.	.	.
2840	15JUL84	.	.	.	.	.	.	.	.	.	6646.3	.	.	.
2841	16JUL84	.	.	.	.	.	.	.	.	.	6648.7	.	.	.
2842	17JUL84	2210	13.0	7.2	-1	1.2	.	-1	-0.1	5	.	.	.	.
2843	19JUL84	.	.	.	.	.	.	.	.	.	6654.3	.	.	.
2844	23JUL84	.	.	.	.	.	.	.	.	.	6659.6	.	.	.
2845	27JUL84	.	.	.	.	.	.	.	.	.	6663.9	.	.	.
2846	30JUL84	.	.	.	.	.	.	.	.	.	6665.8	.	.	.
2847	02AUG84	.	.	.	.	.	.	.	.	.	6669.4	.	.	.
2848	06AUG84	.	.	.	.	.	.	.	.	.	6672.9	.	.	.
2849	09AUG84	.	.	.	.	.	.	.	.	.	6675.2	.	.	.
2850	13AUG84	.	.	.	.	.	.	.	.	.	6677.9	.	.	.
2851	16AUG84	.	.	.	.	.	.	.	.	.	6679.6	.	.	.
2852	20AUG84	.	.	.	.	.	.	.	.	.	6682.1	.	.	.
2853	23AUG84	2338	12.9	7.2	-1	1.3	-1	-1	0.1	22	6683.5	.	.	.
2854	27AUG84	.	.	.	.	.	.	.	.	.	6683.7	.	.	.
2855	31AUG84	.	.	.	.	.	.	.	.	.	6687.7	.	.	.
2856	06SEP84	.	.	.	.	.	.	.	.	.	6691.5	.	.	.
2857	13SEP84	.	.	.	.	.	.	.	.	.	6694.7	.	.	.
2858	20SEP84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
2859	26SEP84	1870	11.6	7.1	-1	1.2	-1	-1	-0.1	18	.	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2860	27SEP84	.	.	.	.	.	.	.	.	.	6700.0	.	.	.
2861	03OCT84	.	.	.	.	.	.	.	.	.	6702.2	.	.	.
2862	10OCT84	.	.	.	.	.	.	.	.	.	6704.5	.	.	.
2863	18OCT84	.	.	.	.	.	.	.	.	.	6705.7	.	.	.
2864	25OCT84	1839	.	7.3	-1	0.9	-1	1	-0.1	15	6708.1	.	.	.
2865	01NOV84	.	.	.	.	.	.	.	.	.	6709.1	.	.	.
2866	14NOV84	1801	11.0	7.4	-1	1.1	-1	-1	-0.1	18	6710.9	.	.	.
2867	21NOV84	.	.	.	.	.	.	.	.	.	6710.5	.	.	.
2868	05DEC84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
2869	11DEC84	1787	11.7	7.4	-1	1.0	-1	-1	-0.1	15	.	.	.	.
2870	12DEC84	.	.	.	.	.	.	.	.	.	6712.6	.	.	.
2871	19DEC84	.	.	.	.	.	.	.	.	.	6713.5	.	.	.
2872	26DEC84	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
2873	02JAN85	.	.	.	.	.	.	.	.	.	6714.2	.	.	.
2874	09JAN85	.	.	.	.	.	.	.	.	.	6714.3	.	.	.
2875	14JAN85	1750	11.4	7.4	-1	1.2	-1	1	-0.1	22	.	.	.	.
2876	16JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
2877	23JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
2878	30JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
2879	06FEB85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
2880	11FEB85	1868	11.9	7.3	-1	1.8	-1	1	-0.1	22	.	.	.	.
2881	13FEB85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
2882	20MAR85	.	.	.	.	.	.	.	.	.	6717.6	.	.	.
2883	28MAR85	.	.	.	.	.	.	.	.	.	6719.3	.	.	.

STATION LOCATION=RAM-3B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2884	08MAY84	.	.	.	.	.	.	.	.	.	6370.1	.	.	.
2885	09MAY84	.	.	.	.	.	.	.	.	.	6370.0	.	.	.
2886	10MAY84	.	.	.	.	.	.	.	.	.	6370.1	.	.	.
2887	11MAY84	.	.	.	.	.	.	.	.	.	6369.8	.	.	.
2888	12MAY84	.	.	.	.	.	.	.	.	.	6370.1	.	.	.
2889	13MAY84	.	.	.	.	.	.	.	.	.	6370.1	.	.	.
2890	14MAY84	.	.	.	.	.	.	.	.	.	6370.1	.	.	.
2891	15MAY84	.	.	.	.	.	.	.	.	.	6370.3	.	.	.
2892	16MAY84	.	.	.	.	.	.	.	.	.	6370.8	.	.	.
2893	17MAY84	.	.	.	.	.	.	.	.	.	6369.6	.	.	.
2894	18MAY84	.	.	.	.	.	.	.	.	.	6371.5	.	.	.
2895	19MAY84	.	.	.	.	.	.	.	.	.	6371.9	.	.	.
2896	20MAY84	.	.	.	.	.	.	.	.	.	6372.1	.	.	.
2897	21MAY84	.	.	.	.	.	.	.	.	.	6372.6	.	.	.
2898	22MAY84	.	.	.	.	.	.	.	.	.	6372.9	.	.	.
2899	23MAY84	.	.	.	.	.	.	.	.	.	6373.4	.	.	.
2900	24MAY84	.	.	.	.	.	.	.	.	.	6373.7	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-3B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2901	25MAY84	.	.	.	.	.	.	.	.	.	6373.9	.	.	.
2902	26MAY84	.	.	.	.	.	.	.	.	.	6375.0	.	.	.
2903	27MAY84	.	.	.	.	.	.	.	.	.	6375.3	.	.	.
2904	28MAY84	.	.	.	.	.	.	.	.	.	6375.5	.	.	.
2905	29MAY84	.	.	.	.	.	.	.	.	.	6374.6	.	.	.
2906	30MAY84	.	.	.	.	.	.	.	.	.	6377.1	.	.	.
2907	31MAY84	.	.	.	.	.	.	.	.	.	6378.5	.	.	.
2908	01JUN84	.	.	.	.	.	.	.	.	.	6378.2	.	.	.
2909	02JUN84	.	.	.	.	.	.	.	.	.	6379.5	.	.	.
2910	03JUN84	.	.	.	.	.	.	.	.	.	6380.7	.	.	.
2911	04JUN84	.	.	.	.	.	.	.	.	.	6384.4	.	.	.
2912	05JUN84	.	.	.	.	.	.	.	.	.	6386.7	.	.	.
2913	07JUN84	.	.	.	.	.	.	.	.	.	6390.5	.	.	.
2914	08JUN84	.	.	.	.	.	.	.	.	.	6395.2	.	.	.
2915	09JUN84	.	.	.	.	.	.	.	.	.	6399.6	.	.	.
2916	10JUN84	.	.	.	.	.	.	.	.	.	6397.5	.	.	.
2917	12JUN84	.	.	.	.	.	.	.	.	.	6420.5	.	.	.
2918	13JUN84	.	.	.	.	.	.	.	.	.	6429.9	.	.	.
2919	14JUN84	2422	15.7	7.3	-1	1	-1	2	-0.1	18	.	.	.	.
2920	15JUN84	.	.	.	.	.	.	.	.	.	6449.0	.	.	.
2921	16JUN84	.	.	.	.	.	.	.	.	.	6453.1	.	.	.
2922	17JUN84	.	.	.	.	.	.	.	.	.	6461.8	.	.	.
2923	18JUN84	.	.	.	.	.	.	.	.	.	6468.8	.	.	.
2924	19JUN84	.	.	.	.	.	.	.	.	.	6473.2	.	.	.
2925	20JUN84	.	.	.	.	.	.	.	.	.	6486.7	.	.	.
2926	21JUN84	.	.	.	.	.	.	.	.	.	6498.0	.	.	.
2927	22JUN84	.	.	.	.	.	.	.	.	.	6517.6	.	.	.
2928	23JUN84	.	.	.	.	.	.	.	.	.	6540.7	.	.	.
2929	24JUN84	.	.	.	.	.	.	.	.	.	6556.9	.	.	.
2930	25JUN84	.	.	.	.	.	.	.	.	.	6565.2	.	.	.
2931	26JUN84	.	.	.	.	.	.	.	.	.	6572.3	.	.	.
2932	27JUN84	.	.	.	.	.	.	.	.	.	6576.6	.	.	.
2933	28JUN84	.	.	.	.	.	.	.	.	.	6582.6	.	.	.
2934	29JUN84	.	.	.	.	.	.	.	.	.	6588.6	.	.	.
2935	30JUN84	.	.	.	.	.	.	.	.	.	6592.9	.	.	.
2936	01JUL84	.	.	.	.	.	.	.	.	.	6597.8	.	.	.
2937	02JUL84	.	.	.	.	.	.	.	.	.	6603.7	.	.	.
2938	03JUL84	.	.	.	.	.	.	.	.	.	6608.4	.	.	.
2939	04JUL84	.	.	.	.	.	.	.	.	.	6612.5	.	.	.
2940	05JUL84	.	.	.	.	.	.	.	.	.	6617.5	.	.	.
2941	06JUL84	2500	14.4	7.2	-1	1	.	1	.	19	6621.8	.	.	.
2942	07JUL84	.	.	.	.	.	.	.	.	.	6624.0	.	.	.
2943	08JUL84	.	.	.	.	.	.	.	.	.	6623.8	.	.	.
2944	09JUL84	.	.	.	.	.	.	.	.	.	6632.0	.	.	.
2945	10JUL84	.	.	.	.	.	.	.	.	.	6635.0	.	.	.
2946	11JUL84	.	.	.	.	.	.	.	.	.	6637.8	.	.	.
2947	12JUL84	.	.	.	.	.	.	.	.	.	6640.3	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-3B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2948	13JUL84	.	.	.	.	.	.	.	.	.	6643.1	.	.	.
2949	14JUL84	.	.	.	.	.	.	.	.	.	6644.7	.	.	.
2950	15JUL84	.	.	.	.	.	.	.	.	.	6646.6	.	.	.
2951	16JUL84	.	.	.	.	.	.	.	.	.	6649.2	.	.	.
2952	17JUL84	2480	14.6	7.3	-1	1.2	.	1	-0.1	11	.	.	.	.
2953	19JUL84	.	.	.	.	.	.	.	.	.	6654.6	.	.	.
2954	23JUL84	.	.	.	.	.	.	.	.	.	6659.8	.	.	.
2955	27JUL84	.	.	.	.	.	.	.	.	.	6664.1	.	.	.
2956	30JUL84	.	.	.	.	.	.	.	.	.	6665.8	.	.	.
2957	02AUG84	.	.	.	.	.	.	.	.	.	6669.7	.	.	.
2958	06AUG84	.	.	.	.	.	.	.	.	.	6673.4	.	.	.
2959	09AUG84	.	.	.	.	.	.	.	.	.	6675.6	.	.	.
2960	13AUG84	.	.	.	.	.	.	.	.	.	6678.3	.	.	.
2961	16AUG84	.	.	.	.	.	.	.	.	.	6680.0	.	.	.
2962	20AUG84	.	.	.	.	.	.	.	.	.	6682.5	.	.	.
2963	23AUG84	1890	14.8	7.4	-1	1.7	-1	-1	-0.1	15	6683.9	.	.	.
2964	27AUG84	.	.	.	.	.	.	.	.	.	6684.2	.	.	.
2965	31AUG84	.	.	.	.	.	.	.	.	.	6688.0	.	.	.
2966	06SEP84	.	.	.	.	.	.	.	.	.	6691.7	.	.	.
2967	13SEP84	.	.	.	.	.	.	.	.	.	6694.9	.	.	.
2968	20SEP84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
2969	26SEP84	2120	13.0	7.3	-1	1.8	-1	1	-0.1	18	.	.	.	.
2970	27SEP84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
2971	03OCT84	.	.	.	.	.	.	.	.	.	6702.3	.	.	.
2972	10OCT84	.	.	.	.	.	.	.	.	.	6704.6	.	.	.
2973	18OCT84	.	.	.	.	.	.	.	.	.	6706.6	.	.	.
2974	25OCT84	2049	.	7.5	-1	1.9	-1	2	-0.1	12	6708.1	.	.	.
2975	01NOV84	.	.	.	.	.	.	.	.	.	6709.2	.	.	.
2976	14NOV84	2007	12.5	7.6	-1	1.9	-1	1	-0.1	10	6711.0	.	.	.
2977	21NOV84	.	.	.	.	.	.	.	.	.	6710.4	.	.	.
2978	28NOV84	.	.	.	.	.	.	.	.	.	6710.9	.	.	.
2979	05DEC84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
2980	11DEC84	1997	12.7	7.5	-1	1.8	-1	1	-0.1	12	.	.	.	.
2981	12DEC84	.	.	.	.	.	.	.	.	.	6712.6	.	.	.
2982	19DEC84	.	.	.	.	.	.	.	.	.	6713.6	.	.	.
2983	26DEC84	.	.	.	.	.	.	.	.	.	6713.6	.	.	.
2984	02JAN85	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
2985	09JAN85	.	.	.	.	.	.	.	.	.	6714.7	.	.	.
2986	14JAN85	2015	12.8	7.5	-1	1.7	-1	1	-0.1	20	.	.	.	.
2987	16JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
2988	21JAN85	2056	11.9	7.5	-1	2.4	-1	2	-0.1	19	.	.	.	.
2989	23JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
2990	28JAN85	1976	.	7.3	-1	1.9	-1	1	-0.1	45	.	.	.	.
2991	30JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
2992	04FEB85	1902	13.0	7.4	-1	2.0	-1	2	-0.1	12	.	.	.	.
2993	06FEB85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
2994	11FEB85	2002	13.4	7.4	-1	2.7	-1	1	-0.1	20	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-3B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
2995	13FEB85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
2996	18MAR85	1974	13.1	7.4	-1	1.7	-1	3	-0.1	18	.	.	.	.
2997	20MAR85	.	.	.	.	.	.	.	.	.	6717.8	.	.	.
2998	25MAR85	1995	14.0	7.3	-1	1.8	-1	3	-0.1	15	.	.	.	.
2999	28MAR85	.	.	.	.	.	.	.	.	.	6719.4	.	.	.

STATION LOCATION=RAM-3C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3000	08MAY84	.	.	.	.	.	.	.	.	.	6324.4	.	.	.
3001	09MAY84	.	.	.	.	.	.	.	.	.	6324.8	.	.	.
3002	10MAY84	.	.	.	.	.	.	.	.	.	6324.7	.	.	.
3003	11MAY84	.	.	.	.	.	.	.	.	.	6324.5	.	.	.
3004	12MAY84	.	.	.	.	.	.	.	.	.	6324.4	.	.	.
3005	13MAY84	.	.	.	.	.	.	.	.	.	6324.5	.	.	.
3006	14MAY84	.	.	.	.	.	.	.	.	.	6324.6	.	.	.
3007	15MAY84	.	.	.	.	.	.	.	.	.	6324.7	.	.	.
3008	16MAY84	.	.	.	.	.	.	.	.	.	6324.9	.	.	.
3009	17MAY84	.	.	.	.	.	.	.	.	.	6325.0	.	.	.
3010	18MAY84	.	.	.	.	.	.	.	.	.	6325.1	.	.	.
3011	19MAY84	.	.	.	.	.	.	.	.	.	6325.5	.	.	.
3012	20MAY84	.	.	.	.	.	.	.	.	.	6325.8	.	.	.
3013	21MAY84	.	.	.	.	.	.	.	.	.	6326.0	.	.	.
3014	22MAY84	.	.	.	.	.	.	.	.	.	6325.9	.	.	.
3015	23MAY84	.	.	.	.	.	.	.	.	.	6326.2	.	.	.
3016	24MAY84	.	.	.	.	.	.	.	.	.	6326.6	.	.	.
3017	25MAY84	.	.	.	.	.	.	.	.	.	6326.6	.	.	.
3018	26MAY84	.	.	.	.	.	.	.	.	.	6327.8	.	.	.
3019	27MAY84	.	.	.	.	.	.	.	.	.	6328.0	.	.	.
3020	28MAY84	.	.	.	.	.	.	.	.	.	6328.0	.	.	.
3021	29MAY84	.	.	.	.	.	.	.	.	.	6328.1	.	.	.
3022	30MAY84	.	.	.	.	.	.	.	.	.	6329.3	.	.	.
3023	31MAY84	.	.	.	.	.	.	.	.	.	6329.6	.	.	.
3024	01JUN84	.	.	.	.	.	.	.	.	.	6331.4	.	.	.
3025	02JUN84	.	.	.	.	.	.	.	.	.	6332.6	.	.	.
3026	03JUN84	.	.	.	.	.	.	.	.	.	6333.6	.	.	.
3027	04JUN84	.	.	.	.	.	.	.	.	.	6336.9	.	.	.
3028	05JUN84	.	.	.	.	.	.	.	.	.	6340.0	.	.	.
3029	06JUN84	1676	15.5	7.5	-1	1.6	-1	-1	-0.1	15	.	.	.	.
3030	07JUN84	.	.	.	.	.	.	.	.	.	6351.9	.	.	.
3031	12JUN84	.	.	.	.	.	.	.	.	.	6418.0	.	.	.
3032	13JUN84	.	.	.	.	.	.	.	.	.	6427.8	.	.	.
3033	15JUN84	.	.	.	.	.	.	.	.	.	6447.1	.	.	.
3034	16JUN84	.	.	.	.	.	.	.	.	.	6451.5	.	.	.
3035	17JUN84	.	.	.	.	.	.	.	.	.	6460.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RAM-3C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3036	18JUN84	.	.	.	.	.	.	.	.	.	6467.0	.	.	.
3037	19JUN84	.	.	.	.	.	.	.	.	.	6471.7	.	.	.
3038	20JUN84	.	.	.	.	.	.	.	.	.	6485.2	.	.	.
3039	21JUN84	.	.	.	.	.	.	.	.	.	6496.4	.	.	.
3040	22JUN84	.	.	.	.	.	.	.	.	.	6514.9	.	.	.
3041	23JUN84	.	.	.	.	.	.	.	.	.	6538.0	.	.	.
3042	24JUN84	.	.	.	.	.	.	.	.	.	6554.9	.	.	.
3043	25JUN84	.	.	.	.	.	.	.	.	.	6563.5	.	.	.
3044	26JUN84	.	.	.	.	.	.	.	.	.	6570.9	.	.	.
3045	27JUN84	.	.	.	.	.	.	.	.	.	6575.3	.	.	.
3046	28JUN84	.	.	.	.	.	.	.	.	.	6581.1	.	.	.
3047	29JUN84	.	.	.	.	.	.	.	.	.	6587.1	.	.	.
3048	30JUN84	.	.	.	.	.	.	.	.	.	6591.5	.	.	.
3049	01JUL84	.	.	.	.	.	.	.	.	.	6596.5	.	.	.
3050	02JUL84	.	.	.	.	.	.	.	.	.	6602.5	.	.	.
3051	03JUL84	.	.	.	.	.	.	.	.	.	6607.2	.	.	.
3052	04JUL84	.	.	.	.	.	.	.	.	.	6611.3	.	.	.
3053	05JUL84	.	.	.	.	.	.	.	.	.	6616.4	.	.	.
3054	06JUL84	1620	14.8	7.5	-1	1.7	.	1	.	27	6620.9	.	.	.
3055	07JUL84	.	.	.	.	.	.	.	.	.	6624.2	.	.	.
3056	08JUL84	.	.	.	.	.	.	.	.	.	6623.2	.	.	.
3057	09JUL84	.	.	.	.	.	.	.	.	.	6631.2	.	.	.
3058	10JUL84	.	.	.	.	.	.	.	.	.	6634.5	.	.	.
3059	11JUL84	.	.	.	.	.	.	.	.	.	6637.2	.	.	.
3060	12JUL84	.	.	.	.	.	.	.	.	.	6641.0	.	.	.
3061	13JUL84	.	.	.	.	.	.	.	.	.	6642.4	.	.	.
3062	14JUL84	.	.	.	.	.	.	.	.	.	6644.2	.	.	.
3063	15JUL84	.	.	.	.	.	.	.	.	.	6646.1	.	.	.
3064	16JUL84	.	.	.	.	.	.	.	.	.	6648.6	.	.	.
3065	17JUL84	1475	15.1	7.7	-1	2.0	.	-1	0.1	52	.	.	.	.
3066	19JUL84	.	.	.	.	.	.	.	.	.	6654.2	.	.	.
3067	23JUL84	.	.	.	.	.	.	.	.	.	6659.5	.	.	.
3068	27JUL84	.	.	.	.	.	.	.	.	.	6664.0	.	.	.
3069	30JUL84	.	.	.	.	.	.	.	.	.	6665.5	.	.	.
3070	02AUG84	.	.	.	.	.	.	.	.	.	6669.5	.	.	.
3071	06AUG84	.	.	.	.	.	.	.	.	.	6673.2	.	.	.
3072	09AUG84	.	.	.	.	.	.	.	.	.	6675.5	.	.	.
3073	13AUG84	.	.	.	.	.	.	.	.	.	6678.3	.	.	.
3074	16AUG84	.	.	.	.	.	.	.	.	.	6680.0	.	.	.
3075	20AUG84	.	.	.	.	.	.	.	.	.	6682.3	.	.	.
3076	23AUG84	1350	14.9	7.7	-1	2.3	5	-1	0.1	58	6683.9	.	.	.
3077	27AUG84	.	.	.	.	.	.	.	.	.	6685.2	.	.	.
3078	31AUG84	.	.	.	.	.	.	.	.	.	6688.0	.	.	.
3079	06SEP84	.	.	.	.	.	.	.	.	.	6691.8	.	.	.
3080	13SEP84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3081	20SEP84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3082	26SEP84	1522	13.7	7.8	-1	2.4	-1	-1	-0.1	50	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-3C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3083	27SEP84	.	.	.	.	.	.	.	.	.	6700.5	.	.	.
3084	03OCT84	.	.	.	.	.	.	.	.	.	6702.5	.	.	.
3085	10OCT84	.	.	.	.	.	.	.	.	.	6704.7	.	.	.
3086	18OCT84	.	.	.	.	.	.	.	.	.	6706.8	.	.	.
3087	25OCT84	1471	.	8.0	-1	2.4	5	-1	-0.1	50	6708.3	.	.	.
3088	01NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	.	.
3089	14NOV84	1441	12.6	8.0	-1	2.5	-1	-1	-0.1	42	6711.5	.	.	.
3090	21NOV84	.	.	.	.	.	.	.	.	.	6710.5	.	.	.
3091	28NOV84	.	.	.	.	.	.	.	.	.	6711.3	.	.	.
3092	05DEC84	.	.	.	.	.	.	.	.	.	6712.0	.	.	.
3093	11DEC84	1419	12.8	7.9	-1	2.5	-1	-1	-0.1	30	.	.	.	.
3094	12DEC84	.	.	.	.	.	.	.	.	.	6712.8	.	.	.
3095	19DEC84	.	.	.	.	.	.	.	.	.	6713.9	.	.	.
3096	26DEC84	.	.	.	.	.	.	.	.	.	6714.1	.	.	.
3097	02JAN85	.	.	.	.	.	.	.	.	.	6714.7	.	.	.
3098	09JAN85	.	.	.	.	.	.	.	.	.	6715.0	.	.	.
3099	14JAN85	1470	13.2	8.1	-1	2.2	-1	-1	-0.1	60	.	.	.	.
3100	16JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
3101	23JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
3102	30JAN85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
3103	06FEB85	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
3104	11FEB85	1501	13.7	7.9	-1	3.5	5	-1	0.1	42	.	.	.	.
3105	13FEB85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
3106	20MAR85	.	.	.	.	.	.	.	.	.	6718.2	.	.	.
3107	28MAR85	.	.	.	.	.	.	.	.	.	6719.8	.	.	.

STATION LOCATION=RAM-3S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3108	08MAY84	.	.	.	.	.	.	.	.	.	6695.1	.	.	.
3109	09MAY84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3110	10MAY84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3111	11MAY84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3112	12MAY84	.	.	.	.	.	.	.	.	.	6695.1	.	.	.
3113	13MAY84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3114	14MAY84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3115	15MAY84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3116	16MAY84	.	.	.	.	.	.	.	.	.	6695.0	.	.	.
3117	17MAY84	.	.	.	.	.	.	.	.	.	6695.2	.	.	.
3118	18MAY84	.	.	.	.	.	.	.	.	.	6695.3	.	.	.
3119	19MAY84	.	.	.	.	.	.	.	.	.	6695.4	.	.	.
3120	20MAY84	.	.	.	.	.	.	.	.	.	6695.5	.	.	.
3121	21MAY84	.	.	.	.	.	.	.	.	.	6697.7	.	.	.
3122	22MAY84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3123	23MAY84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-3S

OBS	DATE	SP_COND	TEMF	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3124	24MAY84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
3125	25MAY84	.	.	.	.	.	.	.	.	.	6697.7	.	.	.
3126	26MAY84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
3127	27MAY84	.	.	.	.	.	.	.	.	.	6698.3	.	.	.
3128	28MAY84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
3129	29MAY84	.	.	.	.	.	.	.	.	.	6697.1	.	.	.
3130	30MAY84	.	.	.	.	.	.	.	.	.	6697.3	.	.	.
3131	31MAY84	.	.	.	.	.	.	.	.	.	6697.2	.	.	.
3132	01JUN84	.	.	.	.	.	.	.	.	.	6696.8	.	.	.
3133	02JUN84	.	.	.	.	.	.	.	.	.	6696.7	.	.	.
3134	03JUN84	.	.	.	.	.	.	.	.	.	6697.2	.	.	.
3135	05JUN84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3136	07JUN84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3137	08JUN84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3138	09JUN84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3139	10JUN84	.	.	.	.	.	.	.	.	.	6698.5	.	.	.
3140	12JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3141	13JUN84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3142	16JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3143	17JUN84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3144	18JUN84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3145	19JUN84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3146	20JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3147	21JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3148	22JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3149	23JUN84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
3150	24JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3151	25JUN84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3152	26JUN84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3153	28JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3154	29JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3155	30JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3156	01JUL84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3157	02JUL84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3158	03JUL84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3159	04JUL84	.	.	.	.	.	.	.	.	.	6697.7	.	.	.
3160	05JUL84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3161	06JUL84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3162	07JUL84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3163	08JUL84	.	.	.	.	.	.	.	.	.	6697.2	.	.	.
3164	09JUL84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
3165	10JUL84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3166	11JUL84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3167	12JUL84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3168	13JUL84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3169	14JUL84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3170	16JUL84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-3S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3171	19JUL84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3172	23JUL84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3173	27JUL84	.	.	.	.	.	.	.	.	.	6698.3	.	.	.
3174	30JUL84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3175	02AUG84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3176	06AUG84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3177	09AUG84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3178	13AUG84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3179	16AUG84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3180	20AUG84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3181	23AUG84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3182	27AUG84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3183	31AUG84	.	.	.	.	.	.	.	.	.	6698.3	.	.	.
3184	06SEP84	.	.	.	.	.	.	.	.	.	6698.3	.	.	.
3185	13SEP84	.	.	.	.	.	.	.	.	.	6707.2	.	.	.
3186	20SEP84	.	.	.	.	.	.	.	.	.	6698.3	.	.	.
3187	27SEP84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
3188	03OCT84	.	.	.	.	.	.	.	.	.	6702.1	.	.	.
3189	10OCT84	.	.	.	.	.	.	.	.	.	6704.6	.	.	.
3190	18OCT84	.	.	.	.	.	.	.	.	.	6706.5	.	.	.
3191	25OCT84	.	.	.	.	.	.	.	.	.	6708.0	.	.	.
3192	01NOV84	.	.	.	.	.	.	.	.	.	6709.1	.	.	.
3193	14NOV84	.	.	.	.	.	.	.	.	.	6710.9	.	.	.
3194	21NOV84	.	.	.	.	.	.	.	.	.	6710.6	.	.	.
3195	28NOV84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
3196	05DEC84	.	.	.	.	.	.	.	.	.	6711.6	.	.	.
3197	12DEC84	.	.	.	.	.	.	.	.	.	6712.6	.	.	.
3198	19DEC84	.	.	.	.	.	.	.	.	.	6713.4	.	.	.
3199	26DEC84	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
3200	02JAN85	.	.	.	.	.	.	.	.	.	6714.2	.	.	.
3201	09JAN85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
3202	16JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
3203	23JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
3204	30JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
3205	06FEB85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
3206	13FEB85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
3207	20MAR85	.	.	.	.	.	.	.	.	.	6717.8	.	.	.
3208	28MAR85	.	.	.	.	.	.	.	.	.	6719.5	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3209	10MAY84	.	.	.	.	.	.	.	.	.	6511.8	.	.	.
3210	11MAY84	.	.	.	.	.	.	.	.	.	6512.3	.	.	.
3211	12MAY84	.	.	.	.	.	.	.	.	.	6515.9	.	.	.
3212	13MAY84	.	.	.	.	.	.	.	.	.	6513.0	.	.	.
3213	14MAY84	.	.	.	.	.	.	.	.	.	6513.4	.	.	.
3214	15MAY84	.	.	.	.	.	.	.	.	.	6513.7	.	.	.
3215	16MAY84	.	.	.	.	.	.	.	.	.	6514.0	.	.	.
3216	17MAY84	.	.	.	.	.	.	.	.	.	6514.4	.	.	.
3217	18MAY84	.	.	.	.	.	.	.	.	.	6514.7	.	.	.
3218	19MAY84	.	.	.	.	.	.	.	.	.	6514.8	.	.	.
3219	20MAY84	.	.	.	.	.	.	.	.	.	6515.2	.	.	.
3220	21MAY84	.	.	.	.	.	.	.	.	.	6515.5	.	.	.
3221	22MAY84	.	.	.	.	.	.	.	.	.	6515.7	.	.	.
3222	23MAY84	.	.	.	.	.	.	.	.	.	6516.2	.	.	.
3223	24MAY84	.	.	.	.	.	.	.	.	.	6516.6	.	.	.
3224	25MAY84	.	.	.	.	.	.	.	.	.	6516.7	.	.	.
3225	26MAY84	.	.	.	.	.	.	.	.	.	6517.2	.	.	.
3226	27MAY84	.	.	.	.	.	.	.	.	.	6517.6	.	.	.
3227	28MAY84	.	.	.	.	.	.	.	.	.	6518.2	.	.	.
3228	29MAY84	.	.	.	.	.	.	.	.	.	6517.3	.	.	.
3229	30MAY84	.	.	.	.	.	.	.	.	.	6518.7	.	.	.
3230	31MAY84	.	.	.	.	.	.	.	.	.	6519.7	.	.	.
3231	01JUN84	.	.	.	.	.	.	.	.	.	6519.7	.	.	.
3232	02JUN84	.	.	.	.	.	.	.	.	.	6520.4	.	.	.
3233	03JUN84	.	.	.	.	.	.	.	.	.	6521.8	.	.	.
3234	04JUN84	.	.	.	.	.	.	.	.	.	6523.0	.	.	.
3235	05JUN84	.	.	.	.	.	.	.	.	.	6524.2	.	.	.
3236	07JUN84	.	.	.	.	.	.	.	.	.	6525.8	.	.	.
3237	08JUN84	.	.	.	.	.	.	.	.	.	6526.6	.	.	.
3238	09JUN84	.	.	.	.	.	.	.	.	.	6526.1	.	.	.
3239	10JUN84	.	.	.	.	.	.	.	.	.	6527.0	.	.	.
3240	12JUN84	.	.	.	.	.	.	.	.	.	6530.6	.	.	.
3241	13JUN84	.	.	.	.	.	.	.	.	.	6531.5	.	.	.
3242	14JUN84	.	.	.	.	.	.	.	.	.	6534.5	.	.	.
3243	15JUN84	.	.	.	.	.	.	.	.	.	6533.0	.	.	.
3244	16JUN84	.	.	.	.	.	.	.	.	.	6534.1	.	.	.
3245	17JUN84	.	.	.	.	.	.	.	.	.	6535.5	.	.	.
3246	18JUN84	.	.	.	.	.	.	.	.	.	6537.0	.	.	.
3247	19JUN84	.	.	.	.	.	.	.	.	.	6538.7	.	.	.
3248	20JUN84	.	.	.	.	.	.	.	.	.	6540.7	.	.	.
3249	21JUN84	.	.	.	.	.	.	.	.	.	6542.9	.	.	.
3250	22JUN84	.	.	.	.	.	.	.	.	.	6546.0	.	.	.
3251	23JUN84	.	.	.	.	.	.	.	.	.	6550.6	.	.	.
3252	24JUN84	.	.	.	.	.	.	.	.	.	6556.6	.	.	.
3253	25JUN84	.	.	.	.	.	.	.	.	.	6563.2	.	.	.
3254	26JUN84	1704	12.4	7.1	-1	0.8	.	-1	-0.1	10	6570.7	.	.	.
3255	27JUN84	.	.	.	.	.	.	.	.	.	6574.6	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3256	28JUN84	.	.	.	.	.	.	.	.	.	6581.4	.	.	.
3257	29JUN84	.	.	.	.	.	.	.	.	.	6587.4	.	.	.
3258	30JUN84	.	.	.	.	.	.	.	.	.	6592.0	.	.	.
3259	01JUL84	.	.	.	.	.	.	.	.	.	6597.0	.	.	.
3260	02JUL84	.	.	.	.	.	.	.	.	.	6603.4	.	.	.
3261	03JUL84	.	.	.	.	.	.	.	.	.	6607.7	.	.	.
3262	04JUL84	.	.	.	.	.	.	.	.	.	6611.5	.	.	.
3263	05JUL84	.	.	.	.	.	.	.	.	.	6616.5	.	.	.
3264	06JUL84	1713	11.8	7.1	-1	0.6	.	-1	.	16	6620.7	.	.	.
3265	07JUL84	.	.	.	.	.	.	.	.	.	6624.0	.	.	.
3266	08JUL84	.	.	.	.	.	.	.	.	.	6622.3	.	.	.
3267	09JUL84	.	.	.	.	.	.	.	.	.	6630.7	.	.	.
3268	10JUL84	.	.	.	.	.	.	.	.	.	6633.6	.	.	.
3269	11JUL84	.	.	.	.	.	.	.	.	.	6636.4	.	.	.
3270	12JUL84	.	.	.	.	.	.	.	.	.	6640.0	.	.	.
3271	13JUL84	.	.	.	.	.	.	.	.	.	6642.2	.	.	.
3272	14JUL84	.	.	.	.	.	.	.	.	.	6643.9	.	.	.
3273	15JUL84	.	.	.	.	.	.	.	.	.	6646.0	.	.	.
3274	16JUL84	.	.	.	.	.	.	.	.	.	6648.3	.	.	.
3275	17JUL84	1650	12.6	7.1	-1	0.8	.	-1	-0.1	12	.	.	.	.
3276	19JUL84	.	.	.	.	.	.	.	.	.	6653.9	.	.	.
3277	23JUL84	.	.	.	.	.	.	.	.	.	6659.3	.	.	.
3278	27JUL84	.	.	.	.	.	.	.	.	.	6663.8	.	.	.
3279	30JUL84	.	.	.	.	.	.	.	.	.	6666.3	.	.	.
3280	02AUG84	.	.	.	.	.	.	.	.	.	6669.3	.	.	.
3281	06AUG84	.	.	.	.	.	.	.	.	.	6672.5	.	.	.
3282	09AUG84	.	.	.	.	.	.	.	.	.	6674.8	.	.	.
3283	13AUG84	.	.	.	.	.	.	.	.	.	6677.6	.	.	.
3284	16AUG84	.	.	.	.	.	.	.	.	.	6679.3	.	.	.
3285	20AUG84	.	.	.	.	.	.	.	.	.	6681.6	.	.	.
3286	23AUG84	1550	12.3	7.2	-1	0.9	-1	-1	-0.1	23	6683.3	.	.	.
3287	27AUG84	.	.	.	.	.	.	.	.	.	6684.7	.	.	.
3288	31AUG84	.	.	.	.	.	.	.	.	.	6687.8	.	.	.
3289	06SEP84	.	.	.	.	.	.	.	.	.	6691.4	.	.	.
3290	13SEP84	.	.	.	.	.	.	.	.	.	6694.7	.	.	.
3291	20SEP84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
3292	26SEP84	1751	14.2	7.2	-1	0.7	-1	-1	-0.1	18	.	.	.	.
3293	27SEP84	.	.	.	.	.	.	.	.	.	6700.0	.	.	.
3294	03OCT84	.	.	.	.	.	.	.	.	.	6702.2	.	.	.
3295	10OCT84	.	.	.	.	.	.	.	.	.	6704.5	.	.	.
3296	18OCT84	.	.	.	.	.	.	.	.	.	6706.6	.	.	.
3297	25OCT84	1734	.	7.3	-1	0.8	-1	-1	-0.1	18	6708.0	.	.	.
3298	01NOV84	.	.	.	.	.	.	.	.	.	6709.2	.	.	.
3299	14NOV84	1698	10.1	7.4	-1	0.9	-1	-1	-0.1	15	6710.9	.	.	.
3300	21NOV84	.	.	.	.	.	.	.	.	.	6710.8	.	.	.
3301	28NOV84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
3302	05DEC84	.	.	.	.	.	.	.	.	.	6711.9	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3303	11DEC84	1598	10.6	7.3	-1	1.2	-1	-1	-0.1	25	.	.	.	.
3304	12DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	.	.
3305	19DEC84	.	.	.	.	.	.	.	.	.	6713.4	.	.	.
3306	26DEC84	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
3307	02JAN85	.	.	.	.	.	.	.	.	.	6714.2	.	.	.
3308	09JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
3309	14JAN85	1600	10.7	7.4	-1	1.0	-1	-1	-0.1	25	.	.	.	.
3310	16JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
3311	23JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
3312	30JAN85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
3313	06FEB85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
3314	11FEB85	1751	11.2	7.2	-1	1.8	-1	-1	-0.1	28	.	.	.	.
3315	13FEB85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
3316	20MAR85	.	.	.	.	.	.	.	.	.	6717.7	.	.	.
3317	28MAR85	.	.	.	.	.	.	.	.	.	6719.4	.	.	.

STATION LOCATION=RAM-4B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3318	10MAY84	.	.	.	.	.	.	.	.	.	6358.8	.	.	.
3319	11MAY84	.	.	.	.	.	.	.	.	.	6358.8	.	.	.
3320	12MAY84	.	.	.	.	.	.	.	.	.	6359.0	.	.	.
3321	13MAY84	.	.	.	.	.	.	.	.	.	6359.0	.	.	.
3322	14MAY84	.	.	.	.	.	.	.	.	.	6358.2	.	.	.
3323	15MAY84	.	.	.	.	.	.	.	.	.	6359.5	.	.	.
3324	16MAY84	.	.	.	.	.	.	.	.	.	6359.6	.	.	.
3325	17MAY84	.	.	.	.	.	.	.	.	.	6359.8	.	.	.
3326	18MAY84	.	.	.	.	.	.	.	.	.	6360.0	.	.	.
3327	19MAY84	.	.	.	.	.	.	.	.	.	6359.9	.	.	.
3328	20MAY84	.	.	.	.	.	.	.	.	.	6360.3	.	.	.
3329	21MAY84	.	.	.	.	.	.	.	.	.	6360.5	.	.	.
3330	22MAY84	.	.	.	.	.	.	.	.	.	6360.3	.	.	.
3331	23MAY84	.	.	.	.	.	.	.	.	.	6360.6	.	.	.
3332	24MAY84	.	.	.	.	.	.	.	.	.	6360.8	.	.	.
3333	25MAY84	.	.	.	.	.	.	.	.	.	6362.8	.	.	.
3334	26MAY84	.	.	.	.	.	.	.	.	.	6362.9	.	.	.
3335	27MAY84	.	.	.	.	.	.	.	.	.	6362.9	.	.	.
3336	28MAY84	.	.	.	.	.	.	.	.	.	6363.1	.	.	.
3337	29MAY84	.	.	.	.	.	.	.	.	.	6364.6	.	.	.
3338	30MAY84	.	.	.	.	.	.	.	.	.	6364.1	.	.	.
3339	31MAY84	.	.	.	.	.	.	.	.	.	6364.6	.	.	.
3340	01JUN84	.	.	.	.	.	.	.	.	.	6366.8	.	.	.
3341	02JUN84	.	.	.	.	.	.	.	.	.	6370.3	.	.	.
3342	03JUN84	.	.	.	.	.	.	.	.	.	6373.7	.	.	.
3343	04JUN84	.	.	.	.	.	.	.	.	.	6379.0	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4b

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRERD
3344	05JUN84	.	.	.	.	.	.	.	.	.	6383.4	.	.	.
3345	07JUN84	.	.	.	.	.	.	.	.	.	6388.6	.	.	.
3346	08JUN84	.	.	.	.	.	.	.	.	.	6390.4	.	.	.
3347	09JUN84	.	.	.	.	.	.	.	.	.	6394.2	.	.	.
3348	10JUN84	.	.	.	.	.	.	.	.	.	6391.8	.	.	.
3349	12JUN84	.	.	.	.	.	.	.	.	.	6430.0	.	.	.
3350	13JUN84	.	.	.	.	.	.	.	.	.	6437.6	.	.	.
3351	14JUN84	1702	13.5	7.4	-1	0.9	-1	1	-0.1	12	6448.3	.	.	.
3352	15JUN84	.	.	.	.	.	.	.	.	.	6454.7	.	.	.
3353	16JUN84	.	.	.	.	.	.	.	.	.	6458.0	.	.	.
3354	17JUN84	.	.	.	.	.	.	.	.	.	6467.4	.	.	.
3355	18JUN84	.	.	.	.	.	.	.	.	.	6474.3	.	.	.
3356	19JUN84	.	.	.	.	.	.	.	.	.	6478.5	.	.	.
3357	20JUN84	.	.	.	.	.	.	.	.	.	6490.9	.	.	.
3358	21JUN84	.	.	.	.	.	.	.	.	.	6501.8	.	.	.
3359	22JUN84	.	.	.	.	.	.	.	.	.	6519.5	.	.	.
3360	23JUN84	.	.	.	.	.	.	.	.	.	6542.1	.	.	.
3361	24JUN84	.	.	.	.	.	.	.	.	.	6557.8	.	.	.
3362	25JUN84	.	.	.	.	.	.	.	.	.	6566.6	.	.	.
3363	26JUN84	.	.	.	.	.	.	.	.	.	6573.7	.	.	.
3364	27JUN84	.	.	.	.	.	.	.	.	.	6577.7	.	.	.
3365	28JUN84	.	.	.	.	.	.	.	.	.	6583.7	.	.	.
3366	29JUN84	.	.	.	.	.	.	.	.	.	6589.2	.	.	.
3367	30JUN84	.	.	.	.	.	.	.	.	.	6593.6	.	.	.
3368	01JUL84	.	.	.	.	.	.	.	.	.	6598.5	.	.	.
3369	02JUL84	.	.	.	.	.	.	.	.	.	6604.6	.	.	.
3370	03JUL84	.	.	.	.	.	.	.	.	.	6609.4	.	.	.
3371	04JUL84	.	.	.	.	.	.	.	.	.	6613.2	.	.	.
3372	05JUL84	.	.	.	.	.	.	.	.	.	6618.3	.	.	.
3373	06JUL84	1501	12.5	7.3	-1	1.0	.	-1	.	15	6622.5	.	.	.
3374	07JUL84	.	.	.	.	.	.	.	.	.	6625.7	.	.	.
3375	08JUL84	.	.	.	.	.	.	.	.	.	6623.6	.	.	.
3376	09JUL84	.	.	.	.	.	.	.	.	.	6632.7	.	.	.
3377	10JUL84	.	.	.	.	.	.	.	.	.	6635.8	.	.	.
3378	11JUL84	.	.	.	.	.	.	.	.	.	6638.7	.	.	.
3379	12JUL84	.	.	.	.	.	.	.	.	.	6641.5	.	.	.
3380	13JUL84	.	.	.	.	.	.	.	.	.	6643.6	.	.	.
3381	14JUL84	.	.	.	.	.	.	.	.	.	6642.9	.	.	.
3382	15JUL84	.	.	.	.	.	.	.	.	.	6647.2	.	.	.
3383	16JUL84	.	.	.	.	.	.	.	.	.	6649.8	.	.	.
3384	17JUL84	1500	13.8	7.4	-1	1.3	.	-1	-0.1	10	.	.	.	.
3385	19JUL84	.	.	.	.	.	.	.	.	.	6655.2	.	.	.
3386	23JUL84	.	.	.	.	.	.	.	.	.	6660.3	.	.	.
3387	27JUL84	.	.	.	.	.	.	.	.	.	6664.6	.	.	.
3388	30JUL84	.	.	.	.	.	.	.	.	.	6666.4	.	.	.
3389	02AUG84	.	.	.	.	.	.	.	.	.	6670.1	.	.	.
3390	06AUG84	.	.	.	.	.	.	.	.	.	6673.8	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FFBRD
3391	09AUG84	.	.	.	.	.	.	.	.	.	6676.0	.	.	.
3392	13AUG84	.	.	.	.	.	.	.	.	.	6678.8	.	.	.
3393	16AUG84	.	.	.	.	.	.	.	.	.	6680.4	.	.	.
3394	20AUG84	.	.	.	.	.	.	.	.	.	6682.8	.	.	.
3395	23AUG84	1380	12.9	7.4	-1	1.3	-1	-1	-0.1	17	6684.3	.	.	.
3396	27AUG84	.	.	.	.	.	.	.	.	.	6685.1	.	.	.
3397	31AUG84	.	.	.	.	.	.	.	.	.	6688.4	.	.	.
3398	06SEP84	.	.	.	.	.	.	.	.	.	6692.0	.	.	.
3399	13SEP84	.	.	.	.	.	.	.	.	.	6695.2	.	.	.
3400	20SEP84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3401	26SEP84	1557	12.2	7.4	-1	1.2	-1	-1	-0.1	21	.	.	.	.
3402	27SEP84	.	.	.	.	.	.	.	.	.	6700.3	.	.	.
3403	030CT84	.	.	.	.	.	.	.	.	.	6702.5	.	.	.
3404	100CT84	.	.	.	.	.	.	.	.	.	6704.8	.	.	.
3405	180CT84	.	.	.	.	.	.	.	.	.	6706.5	.	.	.
3406	250CT84	1682	.	7.4	-1	1.5	-1	1	-0.1	20	6708.2	.	.	.
3407	01NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	.	.
3408	07NOV84	1563	.	7.6	-1	1.6	-1	1	-0.1	10	.	.	.	.
3409	14NOV84	1646	11.1	7.4	-1	1.6	-1	-1	-0.1	12	6711.2	.	.	.
3410	21NOV84	.	.	.	.	.	.	.	.	.	6710.5	.	.	.
3411	28NOV84	.	.	.	.	.	.	.	.	.	6711.6	.	.	.
3412	05DEC84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
3413	11DEC84	1587	11.2	7.5	-1	1.6	-1	-1	-0.1	10	.	.	.	.
3414	12DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	.	.
3415	19DEC84	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
3416	26DEC84	.	.	.	.	.	.	.	.	.	6713.4	.	.	.
3417	02JAN85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
3418	09JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
3419	14JAN85	1925	11.3	7.4	-1	1.4	-1	1	-0.1	-1	.	.	.	.
3420	16JAN85	.	.	.	.	.	.	.	.	.	6715.0	.	.	.
3421	23JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
3422	30JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
3423	06FEB85	.	.	.	.	.	.	.	.	.	6715.6	.	.	.
3424	11FEB85	1979	11.7	7.3	-1	2.3	-1	1	-0.1	21	.	.	.	.
3425	13FEB85	.	.	.	.	.	.	.	.	.	6715.6	.	.	.
3426	20MAR85	.	.	.	.	.	.	.	.	.	6717.8	.	.	.
3427	28MAR85	.	.	.	.	.	.	.	.	.	6719.4	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3428	08MAY84	.	.	.	.	.	.	.	.	.	6343.4	.	.	.
3429	10MAY84	.	.	.	.	.	.	.	.	.	6341.4	.	.	.
3430	11MAY84	.	.	.	.	.	.	.	.	.	6341.2	.	.	.
3431	12MAY84	.	.	.	.	.	.	.	.	.	6340.8	.	.	.
3432	13MAY84	.	.	.	.	.	.	.	.	.	6340.5	.	.	.
3433	14MAY84	.	.	.	.	.	.	.	.	.	6340.7	.	.	.
3434	15MAY84	.	.	.	.	.	.	.	.	.	6340.8	.	.	.
3435	16MAY84	.	.	.	.	.	.	.	.	.	6340.5	.	.	.
3436	17MAY84	.	.	.	.	.	.	.	.	.	6340.4	.	.	.
3437	18MAY84	.	.	.	.	.	.	.	.	.	6342.9	.	.	.
3438	19MAY84	.	.	.	.	.	.	.	.	.	6341.1	.	.	.
3439	20MAY84	.	.	.	.	.	.	.	.	.	6341.7	.	.	.
3440	21MAY84	.	.	.	.	.	.	.	.	.	6341.3	.	.	.
3441	22MAY84	.	.	.	.	.	.	.	.	.	6341.1	.	.	.
3442	23MAY84	.	.	.	.	.	.	.	.	.	6341.7	.	.	.
3443	24MAY84	.	.	.	.	.	.	.	.	.	6342.1	.	.	.
3444	25MAY84	.	.	.	.	.	.	.	.	.	6343.8	.	.	.
3445	26MAY84	.	.	.	.	.	.	.	.	.	6344.4	.	.	.
3446	27MAY84	.	.	.	.	.	.	.	.	.	6344.0	.	.	.
3447	28MAY84	.	.	.	.	.	.	.	.	.	6345.2	.	.	.
3448	29MAY84	.	.	.	.	.	.	.	.	.	6346.6	.	.	.
3449	30MAY84	.	.	.	.	.	.	.	.	.	6348.8	.	.	.
3450	31MAY84	.	.	.	.	.	.	.	.	.	6351.2	.	.	.
3451	01JUN84	.	.	.	.	.	.	.	.	.	6354.0	.	.	.
3452	02JUN84	.	.	.	.	.	.	.	.	.	6356.0	.	.	.
3453	03JUN84	.	.	.	.	.	.	.	.	.	6358.3	.	.	.
3454	04JUN84	.	.	.	.	.	.	.	.	.	6363.2	.	.	.
3455	05JUN84	.	.	.	.	.	.	.	.	.	6367.6	.	.	.
3456	06JUN84	1581	14.7	7.7	-1	1.9	-1	-1	-0.1	20	.	.	.	.
3457	07JUN84	.	.	.	.	.	.	.	.	.	6381.6	.	.	.
3458	08JUN84	.	.	.	.	.	.	.	.	.	6393.2	.	.	.
3459	09JUN84	.	.	.	.	.	.	.	.	.	6400.2	.	.	.
3460	10JUN84	.	.	.	.	.	.	.	.	.	6400.0	.	.	.
3461	12JUN84	.	.	.	.	.	.	.	.	.	6435.8	.	.	.
3462	13JUN84	.	.	.	.	.	.	.	.	.	6443.5	.	.	.
3463	14JUN84	.	.	.	.	.	.	.	.	.	6453.8	.	.	.
3464	15JUN84	.	.	.	.	.	.	.	.	.	6460.4	.	.	.
3465	16JUN84	.	.	.	.	.	.	.	.	.	6464.1	.	.	.
3466	17JUN84	.	.	.	.	.	.	.	.	.	6472.9	.	.	.
3467	18JUN84	.	.	.	.	.	.	.	.	.	6479.4	.	.	.
3468	19JUN84	.	.	.	.	.	.	.	.	.	6483.6	.	.	.
3469	20JUN84	.	.	.	.	.	.	.	.	.	6494.6	.	.	.
3470	21JUN84	.	.	.	.	.	.	.	.	.	6504.6	.	.	.
3471	22JUN84	.	.	.	.	.	.	.	.	.	6519.7	.	.	.
3472	23JUN84	.	.	.	.	.	.	.	.	.	6540.1	.	.	.
3473	24JUN84	.	.	.	.	.	.	.	.	.	6555.4	.	.	.
3474	25JUN84	.	.	.	.	.	.	.	.	.	6564.0	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3475	26JUN84	.	.	.	.	.	.	.	.	.	6571.2	.	.	.
3476	27JUN84	.	.	.	.	.	.	.	.	.	6575.5	.	.	.
3477	28JUN84	.	.	.	.	.	.	.	.	.	6581.2	.	.	.
3478	29JUN84	.	.	.	.	.	.	.	.	.	6586.8	.	.	.
3479	30JUN84	.	.	.	.	.	.	.	.	.	6591.0	.	.	.
3480	01JUL84	.	.	.	.	.	.	.	.	.	6595.9	.	.	.
3481	02JUL84	.	.	.	.	.	.	.	.	.	6601.9	.	.	.
3482	03JUL84	.	.	.	.	.	.	.	.	.	6606.4	.	.	.
3483	04JUL84	.	.	.	.	.	.	.	.	.	6610.4	.	.	.
3484	05JUL84	.	.	.	.	.	.	.	.	.	6615.4	.	.	.
3485	06JUL84	1277	13.2	7.9	-1	3.4	.	-1	.	28	6619.5	.	.	.
3486	07JUL84	.	.	.	.	.	.	.	.	.	6622.7	.	.	.
3487	08JUL84	.	.	.	.	.	.	.	.	.	6621.7	.	.	.
3488	09JUL84	.	.	.	.	.	.	.	.	.	6629.6	.	.	.
3489	10JUL84	.	.	.	.	.	.	.	.	.	6632.7	.	.	.
3490	11JUL84	.	.	.	.	.	.	.	.	.	6635.5	.	.	.
3491	12JUL84	.	.	.	.	.	.	.	.	.	6638.7	.	.	.
3492	13JUL84	.	.	.	.	.	.	.	.	.	6640.7	.	.	.
3493	14JUL84	.	.	.	.	.	.	.	.	.	6642.3	.	.	.
3494	15JUL84	.	.	.	.	.	.	.	.	.	6644.4	.	.	.
3495	16JUL84	.	.	.	.	.	.	.	.	.	6646.9	.	.	.
3496	17JUL84	1320	14.5	8.0	-1	3.5	.	-1	0.1	25	.	.	.	.
3497	19JUL84	.	.	.	.	.	.	.	.	.	6652.3	.	.	.
3498	23JUL84	.	.	.	.	.	.	.	.	.	6657.7	.	.	.
3499	27JUL84	.	.	.	.	.	.	.	.	.	6662.1	.	.	.
3500	30JUL84	.	.	.	.	.	.	.	.	.	6664.2	.	.	.
3501	02AUG84	.	.	.	.	.	.	.	.	.	6667.7	.	.	.
3502	06AUG84	.	.	.	.	.	.	.	.	.	6671.4	.	.	.
3503	09AUG84	.	.	.	.	.	.	.	.	.	6673.6	.	.	.
3504	13AUG84	.	.	.	.	.	.	.	.	.	6676.5	.	.	.
3505	16AUG84	.	.	.	.	.	.	.	.	.	6678.2	.	.	.
3506	20AUG84	.	.	.	.	.	.	.	.	.	6680.7	.	.	.
3507	23AUG84	1200	13.6	8.1	-1	3.3	-1	-1	0.1	32	6682.1	.	.	.
3508	27AUG84	.	.	.	.	.	.	.	.	.	6683.7	.	.	.
3509	31AUG84	.	.	.	.	.	.	.	.	.	6686.3	.	.	.
3510	06SEP84	.	.	.	.	.	.	.	.	.	6690.0	.	.	.
3511	13SEP84	.	.	.	.	.	.	.	.	.	6693.3	.	.	.
3512	20SEP84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3513	26SEP84	1446	12.8	7.9	-1	2.8	-1	-1	-0.1	25	.	.	.	.
3514	27SEP84	.	.	.	.	.	.	.	.	.	6698.5	.	.	.
3515	030CT84	.	.	.	.	.	.	.	.	.	6700.7	.	.	.
3516	100CT84	.	.	.	.	.	.	.	.	.	6703.1	.	.	.
3517	180CT84	.	.	.	.	.	.	.	.	.	6706.9	.	.	.
3518	250CT84	1524	.	7.8	-1	3.0	40	1	-0.1	22	6706.7	.	.	.
3519	01NOV84	.	.	.	.	.	.	.	.	.	6707.8	.	.	.
3520	14NOV84	1554	11.6	7.8	-1	2.8	-1	-1	-0.1	20	6709.7	.	.	.
3521	21NOV84	.	.	.	.	.	.	.	.	.	6709.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3522	28NOV84	.	.	.	.	.	.	.	.	.	6710.1	.	.	.
3523	05DEC84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
3524	11DEC84	1475	12.2	7.8	-1	3.0	-1	-1	-0.1	25	.	.	.	.
3525	12DEC84	.	.	.	.	.	.	.	.	.	6711.4	.	.	.
3526	19DEC84	.	.	.	.	.	.	.	.	.	6712.4	.	.	.
3527	26DEC84	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
3528	02JAN85	.	.	.	.	.	.	.	.	.	6713.2	.	.	.
3529	09JAN85	.	.	.	.	.	.	.	.	.	6713.5	.	.	.
3530	14JAN85	1805	12.0	7.7	-1	2.4	-1	-1	-0.1	28	.	.	.	.
3531	16JAN85	.	.	.	.	.	.	.	.	.	6713.7	.	.	.
3532	23JAN85	.	.	.	.	.	.	.	.	.	6714.0	.	.	.
3533	30JAN85	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
3534	06FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
3535	11FEB85	1890	12.2	7.8	-1	3.5	-1	-1	-0.1	19	.	.	.	.
3536	13FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
3537	20MAR85	.	.	.	.	.	.	.	.	.	6716.7	.	.	.
3538	28MAR85	.	.	.	.	.	.	.	.	.	6718.4	.	.	.

STATION LOCATION=RAM-4S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3539	10MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
3540	11MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
3541	12MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
3542	13MAY84	.	.	.	.	.	.	.	.	.	6696.9	.	.	.
3543	14MAY84	.	.	.	.	.	.	.	.	.	6696.8	.	.	.
3544	15MAY84	.	.	.	.	.	.	.	.	.	6696.7	.	.	.
3545	16MAY84	.	.	.	.	.	.	.	.	.	6696.6	.	.	.
3546	17MAY84	.	.	.	.	.	.	.	.	.	6696.7	.	.	.
3547	18MAY84	.	.	.	.	.	.	.	.	.	6696.7	.	.	.
3548	19MAY84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3549	20MAY84	.	.	.	.	.	.	.	.	.	6696.5	.	.	.
3550	21MAY84	.	.	.	.	.	.	.	.	.	6696.5	.	.	.
3551	22MAY84	.	.	.	.	.	.	.	.	.	6696.5	.	.	.
3552	23MAY84	.	.	.	.	.	.	.	.	.	6696.5	.	.	.
3553	24MAY84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3554	25MAY84	.	.	.	.	.	.	.	.	.	6696.3	.	.	.
3555	26MAY84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3556	27MAY84	.	.	.	.	.	.	.	.	.	6696.3	.	.	.
3557	28MAY84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3558	29MAY84	.	.	.	.	.	.	.	.	.	6694.7	.	.	.
3559	30MAY84	.	.	.	.	.	.	.	.	.	6695.8	.	.	.
3560	31MAY84	.	.	.	.	.	.	.	.	.	6695.7	.	.	.
3561	01JUN84	.	.	.	.	.	.	.	.	.	6695.3	.	.	.
3562	02JUN84	.	.	.	.	.	.	.	.	.	6695.3	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3563	03JUN84	.	.	.	.	.	.	.	.	.	6695.8	.	.	.
3564	04JUN84	.	.	.	.	.	.	.	.	.	6695.2	.	.	.
3565	05JUN84	.	.	.	.	.	.	.	.	.	6696.5	.	.	.
3566	07JUN84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3567	08JUN84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3568	09JUN84	.	.	.	.	.	.	.	.	.	6695.5	.	.	.
3569	10JUN84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
3570	12JUN84	.	.	.	.	.	.	.	.	.	6696.4	.	.	.
3571	13JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3572	14JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3573	15JUN84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
3574	16JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3575	17JUN84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3576	18JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3577	19JUN84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3578	20JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3579	21JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
3580	22JUN84	.	.	.	.	.	.	.	.	.	6697.7	.	.	.
3581	23JUN84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3582	24JUN84	.	.	.	.	.	.	.	.	.	6697.5	.	.	.
3583	26JUN84	.	.	.	.	.	.	.	.	.	6697.6	.	.	.
3584	27JUN84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3585	28JUN84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3586	29JUN84	.	.	.	.	.	.	.	.	.	6697.5	.	.	.
3587	30JUN84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3588	01JUL84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3589	02JUL84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3590	03JUL84	.	.	.	.	.	.	.	.	.	6697.4	.	.	.
3591	04JUL84	.	.	.	.	.	.	.	.	.	6697.3	.	.	.
3592	05JUL84	.	.	.	.	.	.	.	.	.	6697.6	.	.	.
3593	06JUL84	.	.	.	.	.	.	.	.	.	6697.6	.	.	.
3594	07JUL84	.	.	.	.	.	.	.	.	.	6693.6	.	.	.
3595	08JUL84	.	.	.	.	.	.	.	.	.	6695.3	.	.	.
3596	09JUL84	.	.	.	.	.	.	.	.	.	6697.1	.	.	.
3597	10JUL84	.	.	.	.	.	.	.	.	.	6697.1	.	.	.
3598	11JUL84	.	.	.	.	.	.	.	.	.	6697.0	.	.	.
3599	12JUL84	.	.	.	.	.	.	.	.	.	6697.5	.	.	.
3600	13JUL84	.	.	.	.	.	.	.	.	.	6697.6	.	.	.
3601	14JUL84	.	.	.	.	.	.	.	.	.	6697.5	.	.	.
3602	15JUL84	.	.	.	.	.	.	.	.	.	6697.1	.	.	.
3603	16JUL84	.	.	.	.	.	.	.	.	.	6697.2	.	.	.
3604	19JUL84	.	.	.	.	.	.	.	.	.	6697.0	.	.	.
3605	23JUL84	.	.	.	.	.	.	.	.	.	6697.1	.	.	.
3606	27JUL84	.	.	.	.	.	.	.	.	.	6697.2	.	.	.
3607	30JUL84	.	.	.	.	.	.	.	.	.	6697.3	.	.	.
3608	02AUG84	.	.	.	.	.	.	.	.	.	6697.2	.	.	.
3609	06AUG84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-4S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3610	09AUG84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3611	13AUG84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
3612	16AUG84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
3613	20AUG84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
3614	23AUG84	.	.	.	.	.	.	.	.	.	6702.5	.	.	.
3615	27AUG84	.	.	.	.	.	.	.	.	.	6702.2	.	.	.
3616	31AUG84	.	.	.	.	.	.	.	.	.	6701.4	.	.	.
3617	06SEP84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
3618	13SEP84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
3619	20SEP84	.	.	.	.	.	.	.	.	.	6700.2	.	.	.
3620	27SEP84	.	.	.	.	.	.	.	.	.	6701.5	.	.	.
3621	03OCT84	.	.	.	.	.	.	.	.	.	6703.3	.	.	.
3622	10OCT84	.	.	.	.	.	.	.	.	.	6705.3	.	.	.
3623	18OCT84	.	.	.	.	.	.	.	.	.	6706.7	.	.	.
3624	25OCT84	.	.	.	.	.	.	.	.	.	6708.6	.	.	.
3625	01NOV84	.	.	.	.	.	.	.	.	.	6709.7	.	.	.
3626	14NOV84	.	.	.	.	.	.	.	.	.	6711.5	.	.	.
3627	21NOV84	.	.	.	.	.	.	.	.	.	6711.3	.	.	.
3628	28NOV84	.	.	.	.	.	.	.	.	.	6711.9	.	.	.
3629	05DEC84	.	.	.	.	.	.	.	.	.	6712.1	.	.	.
3630	12DEC84	.	.	.	.	.	.	.	.	.	6713.1	.	.	.
3631	19DEC84	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
3632	26DEC84	.	.	.	.	.	.	.	.	.	6713.2	.	.	.
3633	02JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
3634	09JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
3635	16JAN85	.	.	.	.	.	.	.	.	.	6715.0	.	.	.
3636	23JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
3637	30JAN85	.	.	.	.	.	.	.	.	.	6715.6	.	.	.
3638	06FEB85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
3639	13FEB85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
3640	20MAR85	.	.	.	.	.	.	.	.	.	6718.1	.	.	.
3641	28MAR85	.	.	.	.	.	.	.	.	.	6719.9	.	.	.

STATION LOCATION=RAM-5A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3642	08MAY84	.	.	.	.	.	.	.	.	.	6518.2	.	.	.
3643	10MAY84	.	.	.	.	.	.	.	.	.	6518.0	.	.	.
3644	11MAY84	.	.	.	.	.	.	.	.	.	6517.9	.	.	.
3645	12MAY84	.	.	.	.	.	.	.	.	.	6517.8	.	.	.
3646	13MAY84	.	.	.	.	.	.	.	.	.	6517.4	.	.	.
3647	14MAY84	.	.	.	.	.	.	.	.	.	6517.4	.	.	.
3648	15MAY84	.	.	.	.	.	.	.	.	.	6517.2	.	.	.
3649	16MAY84	.	.	.	.	.	.	.	.	.	6519.0	.	.	.
3650	17MAY84	.	.	.	.	.	.	.	.	.	6519.3	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-5A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRERD
3651	18MAY84	.	.	.	.	.	.	.	.	.	6519.6	.	.	.
3652	19MAY84	.	.	.	.	.	.	.	.	.	6519.8	.	.	.
3653	20MAY84	.	.	.	.	.	.	.	.	.	6520.1	.	.	.
3654	21MAY84	.	.	.	.	.	.	.	.	.	6520.3	.	.	.
3655	22MAY84	.	.	.	.	.	.	.	.	.	6519.6	.	.	.
3656	23MAY84	.	.	.	.	.	.	.	.	.	6520.7	.	.	.
3657	24MAY84	.	.	.	.	.	.	.	.	.	6520.8	.	.	.
3658	25MAY84	.	.	.	.	.	.	.	.	.	6521.0	.	.	.
3659	26MAY84	.	.	.	.	.	.	.	.	.	6521.2	.	.	.
3660	27MAY84	.	.	.	.	.	.	.	.	.	6522.2	.	.	.
3661	28MAY84	.	.	.	.	.	.	.	.	.	6521.6	.	.	.
3662	29MAY84	.	.	.	.	.	.	.	.	.	6520.7	.	.	.
3663	30MAY84	.	.	.	.	.	.	.	.	.	6520.6	.	.	.
3664	31MAY84	.	.	.	.	.	.	.	.	.	6520.5	.	.	.
3665	01JUN84	.	.	.	.	.	.	.	.	.	6521.6	.	.	.
3666	02JUN84	.	.	.	.	.	.	.	.	.	6521.7	.	.	.
3667	03JUN84	.	.	.	.	.	.	.	.	.	6522.1	.	.	.
3668	04JUN84	.	.	.	.	.	.	.	.	.	6523.0	.	.	.
3669	05JUN84	.	.	.	.	.	.	.	.	.	6522.9	.	.	.
3670	07JUN84	.	.	.	.	.	.	.	.	.	6523.1	.	.	.
3671	08JUN84	.	.	.	.	.	.	.	.	.	6523.2	.	.	.
3672	09JUN84	.	.	.	.	.	.	.	.	.	6523.1	.	.	.
3673	10JUN84	.	.	.	.	.	.	.	.	.	6523.1	.	.	.
3674	11JUN84	.	.	.	.	.	.	.	.	.	6522.8	.	.	.
3675	12JUN84	.	.	.	.	.	.	.	.	.	6523.3	.	.	.
3676	13JUN84	.	.	.	.	.	.	.	.	.	6523.4	.	.	.
3677	15JUN84	.	.	.	.	.	.	.	.	.	6522.7	.	.	.
3678	16JUN84	.	.	.	.	.	.	.	.	.	6522.6	.	.	.
3679	17JUN84	.	.	.	.	.	.	.	.	.	6522.7	.	.	.
3680	18JUN84	.	.	.	.	.	.	.	.	.	6522.9	.	.	.
3681	19JUN84	.	.	.	.	.	.	.	.	.	6523.1	.	.	.
3682	20JUN84	.	.	.	.	.	.	.	.	.	6522.7	.	.	.
3683	21JUN84	.	.	.	.	.	.	.	.	.	6523.3	.	.	.
3684	22JUN84	.	.	.	.	.	.	.	.	.	6526.6	.	.	.
3685	23JUN84	.	.	.	.	.	.	.	.	.	6541.7	.	.	.
3686	24JUN84	.	.	.	.	.	.	.	.	.	6555.7	.	.	.
3687	25JUN84	.	.	.	.	.	.	.	.	.	6564.0	.	.	.
3688	26JUN84	2045	14.7	7.2	-1	0.6	.	1	-0.1	5	6567.8	.	.	.
3689	27JUN84	2244	.	7.1	-1	0.7	.	12	-0.1	.	6575.1	.	.	.
3690	28JUN84	1938	.	7.1	-1	0.7	.	5	-0.1	.	6581.8	.	.	.
3691	29JUN84	1919	.	7.1	-1	0.6	.	4	-0.1	.	6587.2	.	.	.
3692	30JUN84	1860	.	7.1	-1	0.6	.	4	-0.1	.	6592.3	.	.	.
3693	01JUL84	1745	.	7.1	-1	0.5	.	3	-0.1	.	6597.3	.	.	.
3694	02JUL84	1784	.	7.1	-1	0.5	.	2	-0.1	.	6603.3	.	.	.
3695	03JUL84	1734	15.5	7.1	-1	0.5	.	1	-0.1	.	6608.1	.	.	.
3696	04JUL84	1785	.	7.2	-1	0.6	.	2	-0.1	.	6612.2	.	.	.
3697	05JUL84	1734	.	7.1	-1	0.6	.	2	-0.1	21	6617.1	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3698	06JUL84	1761	16.2	7.1	-1	0.6	.	3	.	28	6621.6	.	.	.
3699	07JUL84	1773	.	7.1	-1	0.5	.	2	.	.	6624.7	.	.	.
3700	08JUL84	1763	.	7.1	-1	0.4	.	2	.	.	6628.8	.	.	.
3701	09JUL84	1744	.	7.1	-1	0.4	.	1	.	.	6632.9	.	.	.
3702	10JUL84	1784	.	7.1	-1	0.5	.	1	.	.	6635.0	.	.	.
3703	11JUL84	1773	14.7	7.1	-1	0.5	-1	1	.	20	6638.3	.	.	.
3704	12JUL84	1702	.	7.2	-1	0.5	.	1	-0.1	.	6641.0	.	.	.
3705	13JUL84	1756	.	7.1	-1	0.5	.	1	-0.1	.	6643.3	.	.	.
3706	14JUL84	.	.	.	.	.	.	.	.	.	6644.9	.	.	.
3707	15JUL84	.	.	.	.	.	.	.	.	.	6647.0	.	.	.
3708	16JUL84	1872	14.9	7.2	-1	0.5	.	2	-0.1	20	6649.4	.	.	.
3709	19JUL84	1721	.	7.2	-1	0.7	-1	1	-0.1	20	6654.9	.	.	.
3710	23JUL84	1700	.	7.2	-1	0.7	-1	-1	-0.1	15	6660.2	.	.	.
3711	27JUL84	1825	.	7.2	-1	0.7	-1	-1	-0.1	30	6664.6	.	.	.
3712	30JUL84	1800	.	7.2	-1	0.6	-1	-1	-0.1	18	6664.3	.	.	.
3713	02AUG84	1739	.	7.2	-1	0.7	-1	-1	0.1	20	6670.0	.	.	.
3714	06AUG84	1734	.	7.2	-1	0.7	-1	-1	-0.1	18	6673.7	.	.	.
3715	09AUG84	1734	.	7.1	.	0.6	-1	-1	-0.1	21	6675.8	.	.	.
3716	13AUG84	1846	.	7.1	-1	0.7	-1	-1	-0.1	18	6678.7	.	.	.
3717	16AUG84	1836	.	7.1	-1	0.7	-1	-1	0.1	21	6680.3	.	.	.
3718	20AUG84	1756	.	7.1	-1	0.6	-1	-1	-0.1	23	6682.7	.	.	.
3719	23AUG84	1690	14.5	7.2	-1	0.9	-1	-1	-0.1	29	6684.2	.	.	.
3720	27AUG84	1850	.	7.4	-1	0.9	-1	-1	-0.1	19	6685.8	.	.	.
3721	30AUG84	1700	.	7.1	-1	0.7	-1	-1	.	.	.	.	.	.
3722	31AUG84	.	.	.	.	.	.	.	.	.	6688.3	.	.	.
3723	06SEP84	1968	.	7.2	-1	0.9	-1	2	-0.1	21	6692.0	.	.	.
3724	13SEP84	1725	.	7.1	-1	0.6	-1	-1	-0.1	18	6695.3	.	.	.
3725	20SEP84	1848	.	7.2	-1	0.8	-1	-1	-0.1	20	6698.3	.	.	.
3726	22SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
3727	23SEP84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
3728	24SEP84	.	.	.	.	.	.	.	.	.	6699.6	.	.	.
3729	25SEP84	.	.	.	.	.	.	.	.	.	6698.6	.	.	.
3730	26SEP84	1779	14.2	7.3	-1	0.7	-1	-1	-0.1	18	.	.	.	.
3731	27SEP84	.	.	.	.	.	.	.	.	.	6700.5	.	.	.
3732	030CT84	1902	.	7.2	-1	1.0	-1	-1	-0.1	18	6702.7	.	.	.
3733	100CT84	1931	.	7.4	-1	0.7	-1	1	-0.1	22	6704.9	.	.	.
3734	170CT84	1900	.	7.2	-1	1.0	-1	-1	-0.1	25	.	.	.	.
3735	180CT84	.	.	.	.	.	.	.	.	.	6706.9	.	.	.
3736	250CT84	1787	.	7.4	-1	0.9	-1	-1	-0.1	18	6708.4	.	.	.
3737	310CT84	1852	.	7.3	-1	0.8	-1	-1	-0.1	22	.	.	.	.
3738	01NOV84	.	.	.	.	.	.	.	.	.	6709.6	.	.	.
3739	07NOV84	1887	.	7.2	-1	1.0	-1	3	-0.1	15	.	.	.	.
3740	14NOV84	1862	13.7	7.4	-1	0.6	-1	1	-0.1	18	6711.3	.	.	.
3741	20NOV84	1966	13.5	7.4	-1	0.7	-1	-1	-0.1	15	.	.	.	.
3742	21NOV84	.	.	.	.	.	.	.	.	.	6710.7	.	.	.
3743	27NOV84	1817	12.7	7.2	-1	0.9	-1	2	-0.1	15	.	.	.	.
3744	28NOV84	.	.	.	.	.	.	.	.	.	6711.9	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3745	05DEC84	.	.	.	.	.	.	.	.	.	6702.6	.	.	.
3746	06DEC84	1836	.	7.4	-1	0.8	-1	1	-0.1	25	.	.	.	.
3747	11DEC84	1866	13.2	7.3	-1	0.7	-1	1	-0.1	12	.	.	.	.
3748	12DEC84	.	.	.	.	.	.	.	.	.	6712.8	.	.	.
3749	19DEC84	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
3750	20DEC84	1727	12.2	7.3	-1	0.7	-1	1	-0.1	28	.	.	.	.
3751	26DEC84	1772	12.0	7.2	.	0.9	-1	1	-0.1	20	6714.3	.	.	.
3752	02JAN85	.	.	.	.	.	.	.	.	.	6714.7	.	.	.
3753	03JAN85	1753	13.8	7.2	.	0.8	-1	1	-0.1	25	.	.	.	.
3754	07JAN85	1800	12.8	7.3	.	0.7	-1	-1	-0.1	25	.	.	.	.
3755	09JAN85	.	.	.	.	.	.	.	.	.	6715.0	.	.	.
3756	14JAN85	1790	12.9	7.3	-1	0.7	-1	1	.	25	.	.	.	.
3757	16JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
3758	21JAN85	1684	12.5	7.3	-1	1.0	-1	1	-0.1	28	.	.	.	.
3759	23JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
3760	28JAN85	1788	.	7.2	-1	1.0	-1	3	-0.1	20	.	.	.	.
3761	30JAN85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
3762	04FEB85	1818	11.0	7.2	-1	1.1	-1	1	-0.1	15	.	.	.	.
3763	06FEB85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
3764	11FEB85	1890	13.2	7.3	-1	0.8	-1	-1	-0.1	28	.	.	.	.
3765	13FEB85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
3766	18MAR85	1931	13.2	7.2	-1	0.6	-1	-1	-0.1	58	.	.	.	.
3767	20MAR85	.	.	.	.	.	.	.	.	.	6718.2	.	.	.
3768	25MAR85	1809	13.5	7.1	-1	0.7	-1	-1	-0.1	20	.	.	.	.
3769	28MAR85	.	.	.	.	.	.	.	.	.	6719.8	.	.	.

STATION LOCATION=RAM-5B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3770	08MAY84	.	.	.	.	.	.	.	.	.	6381.2	.	.	.
3771	10MAY84	.	.	.	.	.	.	.	.	.	6383.4	.	.	.
3772	11MAY84	.	.	.	.	.	.	.	.	.	6384.7	.	.	.
3773	12MAY84	.	.	.	.	.	.	.	.	.	6385.8	.	.	.
3774	13MAY84	.	.	.	.	.	.	.	.	.	6386.5	.	.	.
3775	14MAY84	.	.	.	.	.	.	.	.	.	6387.6	.	.	.
3776	15MAY84	.	.	.	.	.	.	.	.	.	6388.5	.	.	.
3777	16MAY84	.	.	.	.	.	.	.	.	.	6388.0	.	.	.
3778	17MAY84	.	.	.	.	.	.	.	.	.	6388.9	.	.	.
3779	18MAY84	.	.	.	.	.	.	.	.	.	6389.5	.	.	.
3780	19MAY84	.	.	.	.	.	.	.	.	.	6390.2	.	.	.
3781	20MAY84	.	.	.	.	.	.	.	.	.	6390.7	.	.	.
3782	21MAY84	.	.	.	.	.	.	.	.	.	6391.8	.	.	.
3783	22MAY84	.	.	.	.	.	.	.	.	.	6391.5	.	.	.
3784	23MAY84	.	.	.	.	.	.	.	.	.	6393.1	.	.	.
3785	24MAY84	.	.	.	.	.	.	.	.	.	6393.7	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3786	25MAY84	.	.	.	.	.	.	.	.	.	6394.4	.	.	.
3787	26MAY84	.	.	.	.	.	.	.	.	.	6395.2	.	.	.
3788	27MAY84	.	.	.	.	.	.	.	.	.	6395.8	.	.	.
3789	28MAY84	.	.	.	.	.	.	.	.	.	6396.5	.	.	.
3790	29MAY84	.	.	.	.	.	.	.	.	.	6395.6	.	.	.
3791	30MAY84	.	.	.	.	.	.	.	.	.	6397.0	.	.	.
3792	31MAY84	.	.	.	.	.	.	.	.	.	6398.3	.	.	.
3793	01JUN84	.	.	.	.	.	.	.	.	.	6397.9	.	.	.
3794	02JUN84	.	.	.	.	.	.	.	.	.	6398.0	.	.	.
3795	03JUN84	.	.	.	.	.	.	.	.	.	6397.8	.	.	.
3796	04JUN84	.	.	.	.	.	.	.	.	.	6399.4	.	.	.
3797	05JUN84	.	.	.	.	.	.	.	.	.	6399.1	.	.	.
3798	07JUN84	.	.	.	.	.	.	.	.	.	6399.2	.	.	.
3799	08JUN84	.	.	.	.	.	.	.	.	.	6399.4	.	.	.
3800	09JUN84	.	.	.	.	.	.	.	.	.	6399.4	.	.	.
3801	10JUN84	.	.	.	.	.	.	.	.	.	6399.5	.	.	.
3802	11JUN84	.	.	.	.	.	.	.	.	.	6399.3	.	.	.
3803	12JUN84	.	.	.	.	.	.	.	.	.	6406.4	.	.	.
3804	13JUN84	.	.	.	.	.	.	.	.	.	6421.8	.	.	.
3805	14JUN84	4058	26.7	7.1	1.6	0.9	-1	8	-0.1	30	.	.	.	.
3806	15JUN84	.	.	.	.	.	.	.	.	.	6445.1	.	.	.
3807	16JUN84	.	.	.	.	.	.	.	.	.	6450.4	.	.	.
3808	17JUN84	.	.	.	.	.	.	.	.	.	6457.7	.	.	.
3809	18JUN84	.	.	.	.	.	.	.	.	.	6464.7	.	.	.
3810	19JUN84	.	.	.	.	.	.	.	.	.	6470.7	.	.	.
3811	20JUN84	.	.	.	.	.	.	.	.	.	6483.9	.	.	.
3812	21JUN84	.	.	.	.	.	.	.	.	.	6496.2	.	.	.
3813	22JUN84	.	.	.	.	.	.	.	.	.	6515.7	.	.	.
3814	23JUN84	.	.	.	.	.	.	.	.	.	6538.9	.	.	.
3815	24JUN84	.	.	.	.	.	.	.	.	.	6555.2	.	.	.
3816	25JUN84	.	.	.	.	.	.	.	.	.	6564.0	.	.	.
3817	26JUN84	3749	21.4	7.1	1.0	1.1	.	8	-0.1	20	6567.8	.	.	.
3818	27JUN84	3876	.	7.1	1.0	0.9	.	6	0.1	.	6575.2	.	.	.
3819	28JUN84	3723	.	7.1	1.0	1.0	.	7	0.1	.	6581.7	.	.	.
3820	29JUN84	3635	.	7.1	1.0	1.0	.	9	0.1	.	6587.2	.	.	.
3821	30JUN84	3663	.	7.2	1.0	0.9	.	11	0.1	.	6592.2	.	.	.
3822	01JUL84	3547	.	7.1	1.0	1.0	.	9	0.1	.	6597.0	.	.	.
3823	02JUL84	3546	.	7.2	-1.0	0.9	.	9	0.1	.	6603.1	.	.	.
3824	03JUL84	2662	23.8	7.1	-1.0	1.1	.	3	0.1	.	6607.9	.	.	.
3825	04JUL84	3570	.	7.1	-1.0	1.0	.	8	0.2	.	6611.9	.	.	.
3826	05JUL84	3468	.	7.1	1.0	1.1	.	7	.	23	6616.8	.	.	.
3827	06JUL84	3550	20.2	7.1	-1.0	1.0	.	9	.	.	6621.3	.	.	.
3828	07JUL84	3364	.	7.1	-1.0	0.9	.	6	.	.	6624.4	.	.	.
3829	08JUL84	3442	.	7.2	0.9	0.9	.	7	.	.	6628.5	.	.	.
3830	09JUL84	3264	.	7.1	-1.0	1.0	.	7	.	.	6631.6	.	.	.
3831	10JUL84	3408	.	7.1	-1.0	0.9	.	7	.	.	6634.7	.	.	.
3832	11JUL84	3162	20.4	7.2	-1.0	1.0	-1	8	.	22	6638.0	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3833	12JUL84	3192	.	7.2	-1	0.9	.	8	0.1	.	6640.6	.	.	.
3834	13JUL84	3192	.	7.2	-1	0.9	.	6	0.1	.	6642.9	.	.	.
3835	14JUL84	.	.	.	.	.	.	.	.	.	6644.8	.	.	.
3836	15JUL84	.	.	.	.	.	.	.	.	.	6646.5	.	.	.
3837	16JUL84	3264	20.6	7.2	-1	1.0	-1	7	0.1	20	6649.0	.	.	.
3838	19JUL84	3511	.	7.2	-1	1.3	-1	6	0.1	28	6654.5	.	.	.
3839	23JUL84	3366	.	7.3	-1	1.1	-1	6	0.1	18	6659.7	.	.	.
3840	27JUL84	3458	.	7.2	-1	1.4	-1	4	-0.1	35	6664.1	.	.	.
3841	30JUL84	3300	.	7.3	-1	1.3	-1	5	0.1	12	6664.1	.	.	.
3842	02AUG84	3356	.	7.3	-1	1.2	-1	5	0.1	22	6669.6	.	.	.
3843	06AUG84	3672	.	7.3	-1	1.2	-1	5	0.1	16	6673.2	.	.	.
3844	09AUG84	3468	.	7.2	.	1.4	-1	6	-0.1	31	6675.3	.	.	.
3845	13AUG84	3774	.	7.2	-1	1.6	-1	5	0.1	28	6678.2	.	.	.
3846	16AUG84	3672	.	7.2	-1	1.3	-1	5	0.1	18	6679.9	.	.	.
3847	20AUG84	3511	.	7.2	-1	1.4	-1	5	-0.1	28	6682.2	.	.	.
3848	23AUG84	3475	19.7	7.2	-1	1.5	-1	4	-0.1	31	6683.7	.	.	.
3849	27AUG84	2470	.	7.2	-1	1.7	-1	6	0.1	22	6685.3	.	.	.
3850	30AUG84	3062	.	7.2	-1	1.2	-1	5	.	.	.	.	.	.
3851	31AUG84	.	.	.	.	.	.	.	.	.	6687.7	.	.	.
3852	06SEP84	3884	.	7.3	-1	1.5	-1	7	0.1	22	6691.5	.	.	.
3853	13SEP84	3827	.	7.2	-1	1.2	-1	7	0.1	25	6694.6	.	.	.
3854	20SEP84	3805	.	7.2	-1	1.4	-1	6	0.1	20	6697.7	.	.	.
3855	22SEP84	.	.	.	.	.	.	.	.	.	6698.5	.	.	.
3856	23SEP84	.	.	.	.	.	.	.	.	.	6698.6	.	.	.
3857	24SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
3858	25SEP84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
3859	26SEP84	3670	19.1	7.3	-1	1.4	-1	6	0.1	22	.	.	.	.
3860	27SEP84	.	.	.	.	.	.	.	.	.	6699.9	.	.	.
3861	28SEP84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
3862	03OCT84	3805	.	7.3	-1	1.5	-1	6	0.1	20	6702.1	.	.	.
3863	10OCT84	3756	.	7.3	-1	1.3	-1	6	0.1	25	6704.3	.	.	.
3864	17OCT84	3940	.	7.2	-1	1.8	-1	6	0.1	22	.	.	.	.
3865	18OCT84	.	.	.	.	.	.	.	.	.	6706.4	.	.	.
3866	25OCT84	3889	.	7.4	-1	1.6	-1	6	0.1	15	6707.8	.	.	.
3867	31OCT84	3910	.	7.4	-1	1.5	-1	6	0.1	20	.	.	.	.
3868	01NOV84	.	.	.	.	.	.	.	.	.	6708.9	.	.	.
3869	07NOV84	3773	.	7.2	-1	1.7	-1	6	0.2	20	.	.	.	.
3870	14NOV84	3782	15.6	7.5	-1	1.2	-1	7	0.1	15	6711.0	.	.	.
3871	20NOV84	3881	17.7	7.4	-1	1.5	-1	5	0.1	19	.	.	.	.
3872	21NOV84	.	.	.	.	.	.	.	.	.	6710.1	.	.	.
3873	27NOV84	4066	17.1	7.3	-1	1.5	-1	5	0.1	18	.	.	.	.
3874	28NOV84	.	.	.	.	.	.	.	.	.	6711.8	.	.	.
3875	05DEC84	.	.	.	.	.	.	.	.	.	6703.1	.	.	.
3876	06DEC84	3264	.	7.3	-1	1.5	-1	6	0.1	65	.	.	.	.
3877	11DEC84	3784	.	7.4	-1	1.3	-1	4	0.1	12	.	.	.	.
3878	12DEC84	.	.	.	.	.	.	.	.	.	6712.4	.	.	.
3879	19DEC84	.	.	.	.	.	.	.	.	.	6713.3	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3880	20DEC84	3464	17.3	7.2	-1.0	1.4	-1	5	0.1	22	.	.	.	.
3881	26DEC84	3867	16.0	7.2	.	1.4	-1	4	0.1	28	6713.7	.	.	.
3882	02JAN85	.	.	.	.	.	.	.	.	.	6714.1	.	.	.
3883	03JAN85	3793	17.3	7.2	.	1.6	-1	5	0.1	25	.	.	.	.
3884	07JAN85	3820	17.2	7.3	.	1.2	-1	4	0.2	25	.	.	.	.
3885	09JAN85	.	.	.	.	.	.	.	.	.	6714.1	.	.	.
3886	14JAN85	4060	17.6	7.3	1.1	1.3	-1	4	.	25	.	.	.	.
3887	16JAN85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
3888	21JAN85	3818	17.1	7.3	-1.0	1.5	-1	4	0.1	25	.	.	.	.
3889	23JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
3890	28JAN85	3557	.	7.2	-1.0	1.7	-1	6	0.1	28	.	.	.	.
3891	30JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
3892	04FEB85	3785	16.5	7.2	-1.0	1.7	-1	4	0.1	15	.	.	.	.
3893	06FEB85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
3894	11FEB85	3836	18.0	7.1	-1.0	1.4	-1	4	0.2	25	.	.	.	.
3895	13FEB85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
3896	18MAR85	3809	17.2	7.2	-1.0	1.2	-1	4	0.1	20	.	.	.	.
3897	20MAR85	.	.	.	.	.	.	.	.	.	6717.5	.	.	.
3898	25MAR85	3618	17.0	7.1	-1.0	1.4	-1	5	0.1	22	.	.	.	.
3899	28MAR85	.	.	.	.	.	.	.	.	.	6719.1	.	.	.

STATION LOCATION=RAM-5C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3900	08MAY84	.	.	.	.	.	.	.	.	.	6269.2	.	.	.
3901	09MAY84	.	.	.	.	.	.	.	.	.	6266.1	.	.	.
3902	10MAY84	.	.	.	.	.	.	.	.	.	6265.5	.	.	.
3903	11MAY84	.	.	.	.	.	.	.	.	.	6265.2	.	.	.
3904	12MAY84	.	.	.	.	.	.	.	.	.	6265.2	.	.	.
3905	13MAY84	.	.	.	.	.	.	.	.	.	6265.0	.	.	.
3906	14MAY84	.	.	.	.	.	.	.	.	.	6264.9	.	.	.
3907	15MAY84	.	.	.	.	.	.	.	.	.	6265.1	.	.	.
3908	16MAY84	.	.	.	.	.	.	.	.	.	6265.7	.	.	.
3909	17MAY84	.	.	.	.	.	.	.	.	.	6266.0	.	.	.
3910	18MAY84	.	.	.	.	.	.	.	.	.	6266.0	.	.	.
3911	19MAY84	.	.	.	.	.	.	.	.	.	6265.8	.	.	.
3912	20MAY84	.	.	.	.	.	.	.	.	.	6266.2	.	.	.
3913	21MAY84	.	.	.	.	.	.	.	.	.	6265.5	.	.	.
3914	22MAY84	.	.	.	.	.	.	.	.	.	6266.5	.	.	.
3915	23MAY84	.	.	.	.	.	.	.	.	.	6266.7	.	.	.
3916	24MAY84	.	.	.	.	.	.	.	.	.	6266.7	.	.	.
3917	25MAY84	.	.	.	.	.	.	.	.	.	6266.5	.	.	.
3918	26MAY84	.	.	.	.	.	.	.	.	.	6268.7	.	.	.
3919	27MAY84	.	.	.	.	.	.	.	.	.	6269.3	.	.	.
3920	28MAY84	.	.	.	.	.	.	.	.	.	6270.2	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3921	29MAY84	.	.	.	.	.	.	.	.	.	6251.4	.	.	.
3922	30MAY84	.	.	.	.	.	.	.	.	.	6276.0	.	.	.
3923	31MAY84	.	.	.	.	.	.	.	.	.	6280.8	.	.	.
3924	01JUN84	.	.	.	.	.	.	.	.	.	6285.9	.	.	.
3925	02JUN84	.	.	.	.	.	.	.	.	.	6291.3	.	.	.
3926	03JUN84	.	.	.	.	.	.	.	.	.	6297.1	.	.	.
3927	04JUN84	.	.	.	.	.	.	.	.	.	6303.8	.	.	.
3928	05JUN84	.	.	.	.	.	.	.	.	.	6308.9	.	.	.
3929	06JUN84	2816	21.3	7.2	-1	1.4	-1	-1	-0.1	12	.	.	.	.
3930	07JUN84	.	.	.	.	.	.	.	.	.	6327.9	.	.	.
3931	08JUN84	.	.	.	.	.	.	.	.	.	6342.1	.	.	.
3932	09JUN84	.	.	.	.	.	.	.	.	.	6356.9	.	.	.
3933	10JUN84	.	.	.	.	.	.	.	.	.	6371.1	.	.	.
3934	11JUN84	.	.	.	.	.	.	.	.	.	6387.5	.	.	.
3935	12JUN84	.	.	.	.	.	.	.	.	.	6409.0	.	.	.
3936	13JUN84	.	.	.	.	.	.	.	.	.	6422.1	.	.	.
3937	15JUN84	.	.	.	.	.	.	.	.	.	6444.0	.	.	.
3938	16JUN84	.	.	.	.	.	.	.	.	.	6449.4	.	.	.
3939	17JUN84	.	.	.	.	.	.	.	.	.	6456.4	.	.	.
3940	18JUN84	.	.	.	.	.	.	.	.	.	6463.4	.	.	.
3941	19JUN84	.	.	.	.	.	.	.	.	.	6469.7	.	.	.
3942	20JUN84	.	.	.	.	.	.	.	.	.	6483.0	.	.	.
3943	21JUN84	.	.	.	.	.	.	.	.	.	6495.9	.	.	.
3944	22JUN84	.	.	.	.	.	.	.	.	.	6515.5	.	.	.
3945	23JUN84	.	.	.	.	.	.	.	.	.	6539.1	.	.	.
3946	24JUN84	.	.	.	.	.	.	.	.	.	6555.6	.	.	.
3947	25JUN84	.	.	.	.	.	.	.	.	.	6564.0	.	.	.
3948	26JUN84	.	.	.	.	.	.	.	.	.	6567.9	.	.	.
3949	27JUN84	.	.	.	.	.	.	.	.	.	6575.4	.	.	.
3950	28JUN84	.	.	.	.	.	.	.	.	.	6581.9	.	.	.
3951	29JUN84	.	.	.	.	.	.	.	.	.	6587.4	.	.	.
3952	30JUN84	.	.	.	.	.	.	.	.	.	6592.3	.	.	.
3953	01JUL84	.	.	.	.	.	.	.	.	.	6597.4	.	.	.
3954	02JUL84	.	.	.	.	.	.	.	.	.	6603.3	.	.	.
3955	03JUL84	1650	19.6	7.4	.	.	.	.	.	.	6608.2	.	.	.
3956	04JUL84	.	.	.	.	.	.	.	.	.	6612.4	.	.	.
3957	05JUL84	.	.	.	.	.	.	.	.	.	6617.1	.	.	.
3958	06JUL84	1877	16.8	7.4	-1	1.5	.	2	.	25	6621.6	.	.	.
3959	07JUL84	.	.	.	.	.	.	.	.	.	6624.7	.	.	.
3960	08JUL84	.	.	.	.	.	.	.	.	.	6628.8	.	.	.
3961	09JUL84	.	.	.	.	.	.	.	.	.	6631.9	.	.	.
3962	10JUL84	.	.	.	.	.	.	.	.	.	6635.0	.	.	.
3963	11JUL84	.	.	.	.	.	.	.	.	.	6638.4	.	.	.
3964	12JUL84	.	.	.	.	.	.	.	.	.	6641.1	.	.	.
3965	13JUL84	.	.	.	.	.	.	.	.	.	6643.3	.	.	.
3966	14JUL84	.	.	.	.	.	.	.	.	.	6645.1	.	.	.
3967	15JUL84	.	.	.	.	.	.	.	.	.	6647.0	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
3968	16JUL84	.	.	.	.	.	.	.	.	.	6649.5	.	.	.
3969	17JUL84	1720	19.5	7.6	-1	1.9	.	1	-0.1	10	.	.	.	.
3970	19JUL84	1669	.	7.6	-1	1.8	-1	1	-0.1	15	6654.8	.	.	.
3971	23JUL84	1734	.	7.6	-1	1.8	-1	1	-0.1	19	6660.1	.	.	.
3972	27JUL84	1632	.	7.6	-1	1.8	-1	-1	-0.1	29	6664.5	.	.	.
3973	30JUL84	1800	.	7.6	-1	1.9	-1	-1	-0.1	10	6664.0	.	.	.
3974	02AUG84	1744	.	7.6	-1	1.8	-1	1	-0.1	15	6670.1	.	.	.
3975	06AUG84	1709	.	7.6	-1	1.9	-1	1	-0.1	8	6673.7	.	.	.
3976	09AUG84	1650	.	7.6	.	1.9	-1	1	-0.1	12	6675.8	.	.	.
3977	13AUG84	1632	.	7.6	-1	2.0	-1	1	-0.1	15	6678.7	.	.	.
3978	16AUG84	1796	.	7.6	-1	1.7	-1	-1	-0.1	10	6680.3	.	.	.
3979	20AUG84	1530	.	7.6	-1	1.9	-1	-1	-0.1	21	6682.7	.	.	.
3980	23AUG84	1590	18.7	7.6	-1	2.0	-1	-1	-0.1	17	6684.3	.	.	.
3981	27AUG84	1780	.	7.6	-1	2.0	-1	1	-0.1	20	6685.8	.	.	.
3982	30AUG84	1512	.	7.6	-1	1.6	-1	-1	.	.	.	.	.	.
3983	31AUG84	.	.	.	.	.	.	.	.	.	6688.3	.	.	.
3984	06SEP84	1915	.	7.7	-1	2.1	-1	2	-0.1	15	6692.1	.	.	.
3985	13SEP84	1779	.	7.6	-1	1.6	-1	2	-0.1	20	6695.3	.	.	.
3986	20SEP84	1761	.	7.6	-1	1.7	-1	1	-0.1	21	6698.3	.	.	.
3987	22SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
3988	23SEP84	.	.	.	.	.	.	.	.	.	6699.3	.	.	.
3989	24SEP84	.	.	.	.	.	.	.	.	.	6699.7	.	.	.
3990	25SEP84	.	.	.	.	.	.	.	.	.	6698.6	.	.	.
3991	26SEP84	1668	18.2	7.7	-1	1.5	-1	1	-0.1	15	.	.	.	.
3992	27SEP84	.	.	.	.	.	.	.	.	.	6700.5	.	.	.
3993	03OCT84	1794	.	7.6	-1	1.9	-1	2	-0.1	19	6702.7	.	.	.
3994	10OCT84	1931	.	7.6	-1	1.7	-1	1	-0.1	15	6704.9	.	.	.
3995	17OCT84	1850	.	7.6	-1	2.4	-1	2	-0.1	20	.	.	.	.
3996	18OCT84	.	.	.	.	.	.	.	.	.	6707.3	.	.	.
3997	25OCT84	1787	.	7.7	-1	2.0	-1	2	-0.1	15	6708.4	.	.	.
3998	31OCT84	1852	.	7.7	-1	2.1	-1	4	-0.1	18	.	.	.	.
3999	01NOV84	.	.	.	.	.	.	.	.	.	6709.5	.	.	.
4000	07NOV84	1833	.	7.6	-1	2.0	-1	2	-0.1	12	.	.	.	.
4001	14NOV84	1852	16.0	7.7	-1	1.5	-1	3	-0.1	12	6711.4	.	.	.
4002	20NOV84	1925	16.8	7.7	-1	1.8	-1	2	-0.1	18	.	.	.	.
4003	21NOV84	.	.	.	.	.	.	.	.	.	6710.7	.	.	.
4004	27NOV84	1807	16.9	7.6	-1	1.9	-1	2	-0.1	15	.	.	.	.
4005	28NOV84	.	.	.	.	.	.	.	.	.	6711.6	.	.	.
4006	05DEC84	.	.	.	.	.	.	.	.	.	6711.9	.	.	.
4007	06DEC84	1826	.	7.7	-1	1.8	-1	2	-0.1	20	.	.	.	.
4008	11DEC84	1787	16.1	7.7	-1	1.6	-1	2	-0.1	.	.	.	.	.
4009	12DEC84	.	.	.	.	.	.	.	.	.	6713.0	.	.	.
4010	19DEC84	.	.	.	.	.	.	.	.	.	6713.9	.	.	.
4011	20DEC84	1707	16.0	7.6	-1	1.7	-1	2	-0.1	18	.	.	.	.
4012	26DEC84	1811	17.0	7.6	.	1.7	-1	2	-0.1	21	6714.4	.	.	.
4013	02JAN85	.	.	.	.	.	.	.	.	.	6714.7	.	.	.
4014	03JAN85	1845	16.9	7.6	.	1.7	-1	2	-0.1	20	.	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4015	07JAN85	1835	16.9	7.7	.	1.5	-1	1	-0.1	22	.	.	.	.
4016	09JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
4017	14JAN85	1900	17.2	7.6	-1	1.6	-1	2	.	20	.	.	.	.
4018	16JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.
4019	21JAN85	1811	16.9	7.6	-1	2.0	-1	2	-0.1	18	.	.	.	.
4020	23JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
4021	28JAN85	2272	.	7.4	-1	2.0	-1	4	-0.1	21	.	.	.	.
4022	30JAN85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
4023	04FEB85	1897	16.6	7.6	-1	2.0	-1	2	-0.1	12	.	.	.	.
4024	06FEB85	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
4025	11FEB85	1890	17.7	7.6	-1	1.6	-1	1	-0.1	15	.	.	.	.
4026	13FEB85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
4027	18MAR85	1931	17.3	7.5	-1	1.6	-1	2	-0.1	15	.	.	.	.
4028	20MAR85	.	.	.	.	.	.	.	.	.	6718.2	.	.	.
4029	25MAR85	1894	17.5	7.5	-1	1.7	-1	2	-0.1	15	.	.	.	.
4030	28MAR85	.	.	.	.	.	.	.	.	.	6719.8	.	.	.

STATION LOCATION=RAM-5S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4031	08MAY84	.	.	.	.	.	.	.	.	.	6716.8	.	.	.
4032	10MAY84	.	.	.	.	.	.	.	.	.	6717.2	.	.	.
4033	11MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4034	12MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4035	13MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4036	14MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4037	15MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4038	16MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4039	17MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4040	18MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4041	19MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4042	20MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4043	21MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4044	22MAY84	.	.	.	.	.	.	.	.	.	6797.0	.	.	.
4045	23MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4046	24MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4047	25MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4048	26MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4049	27MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4050	28MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4051	29MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4052	30MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4053	31MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.
4054	02JUN84	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
4055	03JUN84	.	.	.	.	.	.	.	.	.	6716.0	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-5S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4056	04JUN84	.	.	.	.	.	.	.	.	.	6716.9	.	.	.
4057	12JUN84	.	.	.	.	.	.	.	.	.	6716.7	.	.	.
4058	16JUN84	.	.	.	.	.	.	.	.	.	6716.8	.	.	.
4059	17JUN84	.	.	.	.	.	.	.	.	.	6716.7	.	.	.
4060	19JUN84	.	.	.	.	.	.	.	.	.	6717.0	.	.	.
4061	20JUN84	.	.	.	.	.	.	.	.	.	6716.9	.	.	.
4062	26JUN84	.	.	.	.	.	.	.	.	.	6693.7	.	.	.
4063	27JUN84	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
4064	28JUN84	.	.	.	.	.	.	.	.	.	6730.6	.	.	.
4065	20AUG84	.	.	.	.	.	.	.	.	.	6718.2	.	.	.
4066	31AUG84	.	.	.	.	.	.	.	.	.	6718.1	.	.	.
4067	13SEP84	.	.	.	.	.	.	.	.	.	6718.0	.	.	.
4068	27SEP84	.	.	.	.	.	.	.	.	.	6717.4	.	.	.
4069	030CT84	.	.	.	.	.	.	.	.	.	6717.6	.	.	.
4070	100CT84	.	.	.	.	.	.	.	.	.	.	.	.	.
4071	180CT84	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
4072	250CT84	.	.	.	.	.	.	.	.	.	6717.7	.	.	.
4073	01NOV84	.	.	.	.	.	.	.	.	.	6717.6	.	.	.
4074	14NOV84	.	.	.	.	.	.	.	.	.	6717.4	.	.	.
4075	21NOV84	.	.	.	.	.	.	.	.	.	6716.8	.	.	.
4076	05DEC84	.	.	.	.	.	.	.	.	.	6717.0	.	.	.
4077	12DEC84	.	.	.	.	.	.	.	.	.	6717.6	.	.	.
4078	19DEC84	.	.	.	.	.	.	.	.	.	6717.7	.	.	.
4079	26DEC84	.	.	.	.	.	.	.	.	.	6718.3	.	.	.
4080	02JAN85	.	.	.	.	.	.	.	.	.	6717.2	.	.	.
4081	09JAN85	.	.	.	.	.	.	.	.	.	6717.1	.	.	.
4082	16JAN85	.	.	.	.	.	.	.	.	.	6717.2	.	.	.
4083	23JAN85	.	.	.	.	.	.	.	.	.	6717.1	.	.	.
4084	30JAN85	.	.	.	.	.	.	.	.	.	6717.2	.	.	.
4085	06FEB85	.	.	.	.	.	.	.	.	.	6717.1	.	.	.
4086	13FEB85	.	.	.	.	.	.	.	.	.	6717.1	.	.	.
4087	20MAR85	.	.	.	.	.	.	.	.	.	6721.2	.	.	.
4088	28MAR85	.	.	.	.	.	.	.	.	.	6722.0	.	.	.

STATION LOCATION=RAM-6A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4089	11MAY84	.	.	.	.	.	.	.	.	.	6517.3	.	.	.
4090	12MAY84	.	.	.	.	.	.	.	.	.	6517.2	.	.	.
4091	13MAY84	.	.	.	.	.	.	.	.	.	6517.1	.	.	.
4092	14MAY84	.	.	.	.	.	.	.	.	.	6517.3	.	.	.
4093	15MAY84	.	.	.	.	.	.	.	.	.	6517.4	.	.	.
4094	16MAY84	.	.	.	.	.	.	.	.	.	6517.6	.	.	.
4095	17MAY84	.	.	.	.	.	.	.	.	.	6518.0	.	.	.
4096	18MAY84	.	.	.	.	.	.	.	.	.	6518.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-6A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4097	19MAY84	.	.	.	.	.	.	.	.	.	6518.0	.	.	.
4098	20MAY84	.	.	.	.	.	.	.	.	.	6518.1	.	.	.
4099	21MAY84	.	.	.	.	.	.	.	.	.	6518.4	.	.	.
4100	22MAY84	.	.	.	.	.	.	.	.	.	6518.4	.	.	.
4101	23MAY84	.	.	.	.	.	.	.	.	.	6518.6	.	.	.
4102	24MAY84	.	.	.	.	.	.	.	.	.	6518.7	.	.	.
4103	25MAY84	.	.	.	.	.	.	.	.	.	6518.8	.	.	.
4104	26MAY84	.	.	.	.	.	.	.	.	.	6519.1	.	.	.
4105	27MAY84	.	.	.	.	.	.	.	.	.	6518.8	.	.	.
4106	28MAY84	.	.	.	.	.	.	.	.	.	6519.5	.	.	.
4107	29MAY84	.	.	.	.	.	.	.	.	.	6518.9	.	.	.
4108	30MAY84	.	.	.	.	.	.	.	.	.	6518.7	.	.	.
4109	31MAY84	.	.	.	.	.	.	.	.	.	6520.2	.	.	.
4110	01JUN84	.	.	.	.	.	.	.	.	.	6520.2	.	.	.
4111	02JUN84	.	.	.	.	.	.	.	.	.	6519.9	.	.	.
4112	03JUN84	.	.	.	.	.	.	.	.	.	6519.5	.	.	.
4113	04JUN84	.	.	.	.	.	.	.	.	.	6521.6	.	.	.
4114	05JUN84	.	.	.	.	.	.	.	.	.	6522.2	.	.	.
4115	07JUN84	.	.	.	.	.	.	.	.	.	6522.7	.	.	.
4116	08JUN84	.	.	.	.	.	.	.	.	.	6523.1	.	.	.
4117	09JUN84	.	.	.	.	.	.	.	.	.	6523.4	.	.	.
4118	10JUN84	.	.	.	.	.	.	.	.	.	6523.4	.	.	.
4119	12JUN84	.	.	.	.	.	.	.	.	.	6524.7	.	.	.
4120	13JUN84	.	.	.	.	.	.	.	.	.	6524.9	.	.	.
4121	15JUN84	.	.	.	.	.	.	.	.	.	6525.2	.	.	.
4122	16JUN84	.	.	.	.	.	.	.	.	.	6525.4	.	.	.
4123	17JUN84	.	.	.	.	.	.	.	.	.	6522.9	.	.	.
4124	18JUN84	.	.	.	.	.	.	.	.	.	6526.3	.	.	.
4125	19JUN84	.	.	.	.	.	.	.	.	.	6526.7	.	.	.
4126	20JUN84	.	.	.	.	.	.	.	.	.	6527.3	.	.	.
4127	21JUN84	.	.	.	.	.	.	.	.	.	6527.8	.	.	.
4128	22JUN84	.	.	.	.	.	.	.	.	.	6529.4	.	.	.
4129	23JUN84	.	.	.	.	.	.	.	.	.	6542.5	.	.	.
4130	24JUN84	.	.	.	.	.	.	.	.	.	6554.3	.	.	.
4131	25JUN84	.	.	.	.	.	.	.	.	.	6561.1	.	.	.
4132	26JUN84	2499	14.4	7.8	-1	0.8	.	25	-0.1	15	6568.6	.	.	.
4133	27JUN84	2399	.	7.1	-1	0.7	.	24	-0.1	.	6574.1	.	.	.
4134	28JUN84	2142	.	7.1	-1	0.7	.	18	-0.1	.	6580.4	.	.	.
4135	29JUN84	2123	.	7.1	-1	0.7	.	21	-0.1	.	6586.9	.	.	.
4136	30JUN84	2093	.	7.2	-1	0.6	.	16	-0.1	.	6591.2	.	.	.
4137	01JUL84	1931	.	7.2	-1	0.6	.	12	-0.1	.	6596.3	.	.	.
4138	02JUL84	1982	.	7.3	-1	0.6	.	11	-0.1	.	6602.4	.	.	.
4139	03JUL84	1938	15.0	7.3	-1	0.7	.	6	-0.1	.	6607.2	.	.	.
4140	04JUL84	1928	.	7.2	-1	0.7	.	7	-0.1	.	6611.3	.	.	.
4141	05JUL84	1785	.	7.2	-1	0.7	.	5	-0.1	18	6616.4	.	.	.
4142	06JUL84	1903	14.4	7.2	-1	0.6	.	6	.	20	6620.8	.	.	.
4143	07JUL84	1825	.	7.2	-1	0.5	.	4	.	.	6624.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-6A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4144	08JUL84	1825	.	7.2	-1	0.5	.	4	.	.	6626.2	.	.	.
4145	09JUL84	1836	.	7.2	-1	0.5	.	4	.	.	6631.1	.	.	.
4146	10JUL84	2093	.	7.2	-1	0.6	.	4	.	.	6634.4	.	.	.
4147	11JUL84	1785	14.7	7.2	-1	0.6	-1	4	.	12	6637.0	.	.	.
4148	12JUL84	1794	.	7.2	-1	0.5	.	4	-0.1	.	6640.6	.	.	.
4149	13JUL84	1756	.	7.2	-1	0.6	.	4	0.1	.	6642.7	.	.	.
4150	14JUL84	.	.	.	.	.	.	.	.	.	6644.6	.	.	.
4151	15JUL84	.	.	.	.	.	.	.	.	.	6646.4	.	.	.
4152	16JUL84	1824	14.3	7.2	-1	0.6	.	3	-0.1	18	6648.9	.	.	.
4153	19JUL84	1788	.	7.2	-1	0.7	-1	2	-0.1	24	6654.4	.	.	.
4154	23JUL84	1800	.	7.2	-1	0.7	-1	2	-0.1	18	6659.8	.	.	.
4155	27JUL84	1809	.	7.2	-1	0.8	-1	-1	-0.1	35	6663.5	.	.	.
4156	30JUL84	1780	.	7.2	-1	0.7	-1	1	-0.1	15	6665.9	.	.	.
4157	02AUG84	1734	.	7.2	-1	0.8	-1	1	-0.1	22	6669.8	.	.	.
4158	06AUG84	1744	.	7.3	-1	0.8	-1	1	-0.1	15	6673.4	.	.	.
4159	09AUG84	1632	.	7.2	.	0.7	-1	1	0.1	22	6675.6	.	.	.
4160	13AUG84	1734	.	7.2	-1	0.8	-1	1	-0.1	18	6678.4	.	.	.
4161	16AUG84	1826	.	7.2	-1	0.7	-1	-1	-0.1	18	6680.0	.	.	.
4162	20AUG84	1782	.	7.2	-1	0.8	-1	1	-0.1	31	6682.4	.	.	.
4163	23AUG84	1690	14.4	7.2	-1	1.0	-1	1	-0.1	32	6684.0	.	.	.
4164	27AUG84	1810	.	7.3	-1	1.1	-1	1	-0.1	25	6684.2	.	.	.
4165	30AUG84	1683	.	7.2	-1	0.7	-1	2	.	.	.	.	.	.
4166	31AUG84	.	.	.	.	.	.	.	.	.	6688.2	.	.	.
4167	06SEP84	1915	.	7.2	-1	0.8	-1	2	-0.1	15	6691.9	.	.	.
4168	13SEP84	1833	.	7.2	-1	0.8	-1	2	-0.1	21	6695.1	.	.	.
4169	20SEP84	1826	.	7.2	-1	0.8	-1	1	-0.1	18	6698.2	.	.	.
4170	22SEP84	.	.	.	.	.	.	.	.	.	6698.8	.	.	.
4171	23SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
4172	24SEP84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
4173	25SEP84	.	.	.	.	.	.	.	.	.	6698.5	.	.	.
4174	26SEP84	1848	13.6	7.2	-1	0.9	-1	1	-0.1	24	.	.	.	.
4175	27SEP84	.	.	.	.	.	.	.	.	.	6700.4	.	.	.
4176	03OCT84	1848	.	7.3	-1	1.0	-1	1	-0.1	22	6702.5	.	.	.
4177	10OCT84	1905	.	7.4	-1	0.8	-1	1	-0.1	20	6704.8	.	.	.
4178	17OCT84	1880	.	7.3	-1	1.2	-1	2	-0.1	25	.	.	.	.
4179	18OCT84	.	.	.	.	.	.	.	.	.	6706.8	.	.	.
4180	25OCT84	1797	.	7.4	-1	0.9	-1	1	-0.1	12	6708.3	.	.	.
4181	31OCT84	1862	.	7.4	-1	1.2	-1	1	-0.1	22	.	.	.	.
4182	01NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	.	.
4183	07NOV84	1833	.	7.3	-1	1.1	-1	2	-0.1	20	.	.	.	.
4184	14NOV84	1842	12.4	7.5	-1	0.7	-1	1	-0.1	18	6711.3	.	.	.
4185	20NOV84	1991	13.7	7.4	-1	0.9	-1	1	-0.1	20	.	.	.	.
4186	21NOV84	.	.	.	.	.	.	.	.	.	6710.8	.	.	.
4187	27NOV84	1757	12.4	7.3	-1	1.1	-1	1	-0.1	18	.	.	.	.
4188	05DEC84	.	.	.	.	.	.	.	.	.	6712.0	.	.	.
4189	06DEC84	1785	.	7.5	-1	1.0	-1	2	-0.1	22	.	.	.	.
4190	11DEC84	1813	13.4	7.4	-1	0.9	-1	1	-0.1	15	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-6A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4191	12DEC84	.	.	.	.	.	.	.	.	.	6712.9	.	.	.
4192	19DEC84	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
4193	20DEC84	1702	12.3	7.4	-1	0.9	-1	1	-0.1	20	.	.	.	.
4194	26DEC84	1860	13.0	7.3	.	0.9	-1	2	-0.1	21	6714.3	.	.	.
4195	02JAN85	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
4196	03JAN85	1819	14.9	7.3	.	1.0	-1	1	-0.1	25	.	.	.	.
4197	07JAN85	1790	12.8	7.3	.	0.9	-1	1	-0.1	22	.	.	.	.
4198	09JAN85	.	.	.	.	.	.	.	.	.	6714.7	.	.	.
4199	14JAN85	1710	13.1	7.3	-1	1.0	-1	1	.	22	.	.	.	.
4200	16JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
4201	21JAN85	1762	12.3	7.4	-1	1.0	-1	2	-0.1	25	.	.	.	.
4202	23JAN85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
4203	28JAN85	1828	.	7.2	-1	1.0	-1	2	-0.1	22	.	.	.	.
4204	30JAN85	.	.	.	.	.	.	.	.	.	6715.6	.	.	.
4205	04FEB85	1793	12.7	7.3	-1	0.9	-1	1	-0.1	18	.	.	.	.
4206	06FEB85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
4207	11FEB85	1868	13.4	7.3	-1	1.1	-1	1	-0.1	30	.	.	.	.
4208	13FEB85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
4209	18MAR85	1931	13.0	7.2	-1	0.7	-1	1	-0.1	18	.	.	.	.
4210	20MAR85	.	.	.	.	.	.	.	.	.	6718.0	.	.	.
4211	25MAR85	1819	13.5	7.3	-1	0.8	-1	-1	-0.1	18	.	.	.	.
4212	28MAR85	.	.	.	.	.	.	.	.	.	6719.6	.	.	.

STATION LOCATION=RAM-6B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4213	11MAY84	.	.	.	.	.	.	.	.	.	6374.1	.	.	.
4214	12MAY84	.	.	.	.	.	.	.	.	.	6374.1	.	.	.
4215	13MAY84	.	.	.	.	.	.	.	.	.	6374.2	.	.	.
4216	14MAY84	.	.	.	.	.	.	.	.	.	6374.5	.	.	.
4217	15MAY84	.	.	.	.	.	.	.	.	.	6374.7	.	.	.
4218	16MAY84	.	.	.	.	.	.	.	.	.	6375.2	.	.	.
4219	17MAY84	.	.	.	.	.	.	.	.	.	6374.6	.	.	.
4220	18MAY84	.	.	.	.	.	.	.	.	.	6375.7	.	.	.
4221	19MAY84	.	.	.	.	.	.	.	.	.	6375.8	.	.	.
4222	20MAY84	.	.	.	.	.	.	.	.	.	6376.3	.	.	.
4223	21MAY84	.	.	.	.	.	.	.	.	.	6376.6	.	.	.
4224	22MAY84	.	.	.	.	.	.	.	.	.	6376.8	.	.	.
4225	23MAY84	.	.	.	.	.	.	.	.	.	6377.2	.	.	.
4226	24MAY84	.	.	.	.	.	.	.	.	.	6377.5	.	.	.
4227	25MAY84	.	.	.	.	.	.	.	.	.	6377.7	.	.	.
4228	26MAY84	.	.	.	.	.	.	.	.	.	6378.6	.	.	.
4229	27MAY84	.	.	.	.	.	.	.	.	.	6378.2	.	.	.
4230	28MAY84	.	.	.	.	.	.	.	.	.	6379.2	.	.	.
4231	29MAY84	.	.	.	.	.	.	.	.	.	6378.9	.	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4232	30MAY84	.	.	.	.	.	.	.	.	.	6378.5	.	.	.
4233	31MAY84	.	.	.	.	.	.	.	.	.	6381.3	.	.	.
4234	01JUN84	.	.	.	.	.	.	.	.	.	6380.9	.	.	.
4235	02JUN84	.	.	.	.	.	.	.	.	.	6381.4	.	.	.
4236	03JUN84	.	.	.	.	.	.	.	.	.	6381.5	.	.	.
4237	04JUN84	.	.	.	.	.	.	.	.	.	6384.1	.	.	.
4238	05JUN84	.	.	.	.	.	.	.	.	.	6385.3	.	.	.
4239	07JUN84	.	.	.	.	.	.	.	.	.	6387.1	.	.	.
4240	08JUN84	.	.	.	.	.	.	.	.	.	6388.8	.	.	.
4241	09JUN84	.	.	.	.	.	.	.	.	.	6390.9	.	.	.
4242	10JUN84	.	.	.	.	.	.	.	.	.	6389.4	.	.	.
4243	12JUN84	.	.	.	.	.	.	.	.	.	6419.2	.	.	.
4244	13JUN84	.	.	.	.	.	.	.	.	.	6430.3	.	.	.
4245	14JUN84	2553	18.7	7.3	-1	1.1	-1	2	-0.1	15	.	.	.	.
4246	15JUN84	.	.	.	.	.	.	.	.	.	6450.2	.	.	.
4247	16JUN84	.	.	.	.	.	.	.	.	.	6455.1	.	.	.
4248	17JUN84	.	.	.	.	.	.	.	.	.	6461.5	.	.	.
4249	18JUN84	.	.	.	.	.	.	.	.	.	6467.0	.	.	.
4250	19JUN84	.	.	.	.	.	.	.	.	.	6473.1	.	.	.
4251	20JUN84	.	.	.	.	.	.	.	.	.	6485.9	.	.	.
4252	21JUN84	.	.	.	.	.	.	.	.	.	6498.0	.	.	.
4253	22JUN84	.	.	.	.	.	.	.	.	.	6516.7	.	.	.
4254	23JUN84	.	.	.	.	.	.	.	.	.	6541.0	.	.	.
4255	24JUN84	.	.	.	.	.	.	.	.	.	6556.6	.	.	.
4256	25JUN84	.	.	.	.	.	.	.	.	.	6564.4	.	.	.
4257	26JUN84	2499	17.5	7.2	-1	1.4	.	1	-0.1	5	6571.2	.	.	.
4258	27JUN84	2503	.	7.2	-1	1.1	.	-1	-0.1	.	6575.7	.	.	.
4259	28JUN84	2346	.	7.2	-1	1.2	.	1	-0.1	.	6582.2	.	.	.
4260	29JUN84	2329	.	7.2	-1	1.1	.	2	-0.1	.	6588.2	.	.	.
4261	30JUN84	2329	.	7.3	-1	1.1	.	1	-0.1	.	6592.6	.	.	.
4262	01JUL84	2326	.	7.2	-1	1.1	.	2	-0.1	.	6597.5	.	.	.
4263	02JUL84	2295	.	7.2	-1	1.2	.	1	-0.1	.	6603.4	.	.	.
4264	03JUL84	2346	15.5	7.3	-1	1.3	.	2	-0.1	.	6608.1	.	.	.
4265	04JUL84	2346	.	7.2	-1	1.2	.	2	-0.1	.	6612.1	.	.	.
4266	05JUL84	2346	.	7.3	-1	1.3	.	2	2.1	.	6617.3	.	.	.
4267	06JUL84	2386	16.4	7.2	-1	1.1	.	2	.	18	6621.5	.	.	.
4268	07JUL84	2295	.	7.2	-1	1.0	.	1	.	.	6624.7	.	.	.
4269	08JUL84	2388	.	7.2	-1	1.0	.	2	.	.	6628.4	.	.	.
4270	09JUL84	2346	.	7.3	-1	1.1	.	1	.	.	6631.8	.	.	.
4271	10JUL84	2384	.	7.2	-1	1.1	.	2	.	.	6625.0	.	.	.
4272	11JUL84	2250	16.8	7.2	-1	1.0	-1	2	.	18	6637.7	.	.	.
4273	12JUL84	2295	.	7.3	-1	1.0	.	2	-0.1	.	6641.0	.	.	.
4274	13JUL84	2295	.	7.2	-1	1.0	.	1	-0.1	.	6643.1	.	.	.
4275	14JUL84	.	.	.	.	.	.	.	.	.	6645.0	.	.	.
4276	15JUL84	.	.	.	.	.	.	.	.	.	6646.7	.	.	.
4277	16JUL84	1536	16.6	7.3	-1	1.0	.	2	-0.1	20	6649.2	.	.	.
4278	19JUL84	2288	.	7.3	-1	1.4	-1	2	-0.1	20	6654.6	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4279	23JUL84	2346	.	7.3	-1.0	1.2	-1	2	-0.1	12	6659.9	.	.	.
4280	27JUL84	2347	.	7.4	-1.0	1.5	-1	2	-0.1	34	6663.5	.	.	.
4281	30JUL84	2410	.	7.3	-1.0	1.4	-1	1	-0.1	15	6665.4	.	.	.
4282	02AUG84	2336	.	7.3	-1.0	1.3	-1	1	-0.1	20	6669.9	.	.	.
4283	06AUG84	2397	.	7.3	-1.0	1.2	-1	1	-0.1	15	6673.4	.	.	.
4284	09AUG84	2346	.	7.3	.	1.3	-1	1	-0.1	21	6675.6	.	.	.
4285	13AUG84	2346	.	7.3	-1.0	1.5	-1	1	-0.1	25	6678.4	.	.	.
4286	16AUG84	2295	.	7.3	-1.0	1.2	-1	1	0.1	15	6680.0	.	.	.
4287	20AUG84	2367	.	7.3	-1.0	1.4	-1	1	-0.1	21	6682.4	.	.	.
4288	23AUG84	2200	16.3	7.3	-1.0	1.5	-1	1	-0.1	32	6684.0	.	.	.
4289	27AUG84	2325	.	7.3	-1.0	1.6	-1	1	-0.1	22	6683.7	.	.	.
4290	30AUG84	2125	.	7.3	-1.0	1.2	-1	1	.	.	.	.	.	.
4291	31AUG84	.	.	.	.	.	.	.	.	.	6686.1	.	.	.
4292	06SEP84	2458	.	7.3	-1.0	1.4	-1	2	-0.1	18	6691.7	.	.	.
4293	13SEP84	2264	.	7.3	-1.0	1.3	-1	2	-0.1	23	6695.0	.	.	.
4294	20SEP84	2304	.	7.3	-1.0	1.3	-1	2	-0.1	22	6698.0	.	.	.
4295	22SEP84	.	.	.	.	.	.	.	.	.	6698.8	.	.	.
4296	23SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
4297	24SEP84	.	.	.	.	.	.	.	.	.	6699.3	.	.	.
4298	25SEP84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
4299	26SEP84	2391	15.8	7.3	-1.0	1.2	-1	2	-0.1	28	.	.	.	.
4300	27SEP84	.	.	.	.	.	.	.	.	.	6700.2	.	.	.
4301	28SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
4302	03OCT84	2370	.	7.3	-1.0	1.6	-1	2	-0.1	25	6702.3	.	.	.
4303	10OCT84	2441	.	7.4	-1.0	1.3	-1	2	-0.1	21	6704.6	.	.	.
4304	17OCT84	2510	.	7.3	-1.0	1.7	-1	4	-0.1	25	.	.	.	.
4305	18OCT84	.	.	.	.	.	.	.	.	.	6706.6	.	.	.
4306	25OCT84	1461	.	7.9	-1.0	2.1	-1	3	-0.1	18	6708.1	.	.	.
4307	31OCT84	2470	.	7.5	-1.0	1.7	-1	4	-0.1	20	.	.	.	.
4308	01NOV84	.	.	.	.	.	.	.	.	.	6709.2	.	.	.
4309	07NOV84	2264	.	7.3	-1.0	1.6	-1	2	-0.1	25	.	.	.	.
4310	14NOV84	2367	14.6	7.5	-1.0	1.3	-1	3	-0.1	10	6711.0	.	.	.
4311	20NOV84	2429	14.7	7.4	-1.0	1.4	-1	4	0.1	22	.	.	.	.
4312	21NOV84	.	.	.	.	.	.	.	.	.	6710.5	.	.	.
4313	27NOV84	2510	14.7	7.3	-1.0	1.5	-1	10	-0.1	18	.	.	.	.
4314	28NOV84	.	.	.	.	.	.	.	.	.	6712.1	.	.	.
4315	05DEC84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
4316	06DEC84	2346	.	7.4	1.0	1.6	-1	13	-0.1	20	.	.	.	.
4317	11DEC84	2417	15.1	7.4	-1.0	1.3	-1	9	-0.1	12	.	.	.	.
4318	12DEC84	.	.	.	.	.	.	.	.	.	6712.6	.	.	.
4319	19DEC84	.	.	.	.	.	.	.	.	.	6713.6	.	.	.
4320	20DEC84	2259	15.0	7.4	1.0	1.4	-1	20	-0.1	25	.	.	.	.
4321	26DEC84	2462	15.0	7.3	.	1.4	-1	14	-0.1	25	6714.1	.	.	.
4322	02JAN85	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
4323	03JAN85	2665	15.0	7.3	.	1.4	-1	31	-0.1	22	.	.	.	.
4324	07JAN85	2670	15.0	7.4	.	1.2	-1	34	-0.1	22	.	.	.	.
4325	09JAN85	.	.	.	.	.	.	.	.	.	6714.6	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4326	14JAN85	2515	15.3	7.4	2.3	1.4	-1	33	.	20	.	.	.	.
4327	16JAN85	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
4328	21JAN85	2741	15.2	7.4	2.5	1.5	-1	44	-0.1	28	.	.	.	.
4329	23JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
4330	28JAN85	2371	.	7.3	2.7	1.6	-1	6	-0.1	25	.	.	.	.
4331	30JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
4332	04FEB85	2739	15.4	7.3	2.8	1.5	-1	41	-0.1	18	.	.	.	.
4333	06FEB85	.	.	.	.	.	.	.	.	.	6715.6	.	.	.
4334	11FEB85	2780	15.6	7.3	1.9	1.5	-1	44	-0.1	25	.	.	.	.
4335	13FEB85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
4336	18MAR85	2798	15.4	7.3	2.3	1.3	-1	55	-0.1	20	.	.	.	.
4337	20MAR85	.	.	.	.	.	.	.	.	.	6717.8	.	.	.
4338	25MAR85	2554	16.5	7.3	1.4	1.4	-1	30	-0.1	22	.	.	.	.
4339	28MAR85	.	.	.	.	.	.	.	.	.	6719.5	.	.	.

STATION LOCATION=RAM-6C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4340	11MAY84	.	.	.	.	.	.	.	.	.	6269.8	.	.	.
4341	12MAY84	.	.	.	.	.	.	.	.	.	6269.7	.	.	.
4342	13MAY84	.	.	.	.	.	.	.	.	.	6266.5	.	.	.
4343	14MAY84	.	.	.	.	.	.	.	.	.	6266.4	.	.	.
4344	15MAY84	.	.	.	.	.	.	.	.	.	6266.4	.	.	.
4345	16MAY84	.	.	.	.	.	.	.	.	.	6266.6	.	.	.
4346	17MAY84	.	.	.	.	.	.	.	.	.	6265.5	.	.	.
4347	18MAY84	.	.	.	.	.	.	.	.	.	6265.5	.	.	.
4348	19MAY84	.	.	.	.	.	.	.	.	.	6266.2	.	.	.
4349	20MAY84	.	.	.	.	.	.	.	.	.	6266.4	.	.	.
4350	21MAY84	.	.	.	.	.	.	.	.	.	6266.7	.	.	.
4351	22MAY84	.	.	.	.	.	.	.	.	.	6266.6	.	.	.
4352	23MAY84	.	.	.	.	.	.	.	.	.	6266.2	.	.	.
4353	24MAY84	.	.	.	.	.	.	.	.	.	6267.0	.	.	.
4354	25MAY84	.	.	.	.	.	.	.	.	.	6269.0	.	.	.
4355	26MAY84	.	.	.	.	.	.	.	.	.	6273.9	.	.	.
4356	27MAY84	.	.	.	.	.	.	.	.	.	6269.3	.	.	.
4357	28MAY84	.	.	.	.	.	.	.	.	.	6270.6	.	.	.
4358	29MAY84	.	.	.	.	.	.	.	.	.	6373.2	.	.	.
4359	30MAY84	.	.	.	.	.	.	.	.	.	6277.1	.	.	.
4360	31MAY84	.	.	.	.	.	.	.	.	.	6285.4	.	.	.
4361	01JUN84	.	.	.	.	.	.	.	.	.	6289.3	.	.	.
4362	02JUN84	.	.	.	.	.	.	.	.	.	6293.8	.	.	.
4363	03JUN84	.	.	.	.	.	.	.	.	.	6299.2	.	.	.
4364	04JUN84	.	.	.	.	.	.	.	.	.	6304.5	.	.	.
4365	05JUN84	.	.	.	.	.	.	.	.	.	6312.2	.	.	.
4366	06JUN84	1596	18.3	8.1	-1	2.3	-1	-1	-0.1	30	.	.	.	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4367	07JUN84	.	.	.	.	.	.	.	.	.	6337.2	.	.	.
4368	08JUN84	.	.	.	.	.	.	.	.	.	6355.4	.	.	.
4369	09JUN84	.	.	.	.	.	.	.	.	.	6369.0	.	.	.
4370	10JUN84	.	.	.	.	.	.	.	.	.	6365.4	.	.	.
4371	12JUN84	.	.	.	.	.	.	.	.	.	6415.1	.	.	.
4372	13JUN84	.	.	.	.	.	.	.	.	.	6425.0	.	.	.
4373	15JUN84	.	.	.	.	.	.	.	.	.	6445.5	.	.	.
4374	16JUN84	.	.	.	.	.	.	.	.	.	6449.1	.	.	.
4375	17JUN84	.	.	.	.	.	.	.	.	.	6458.7	.	.	.
4376	18JUN84	.	.	.	.	.	.	.	.	.	6466.0	.	.	.
4377	19JUN84	.	.	.	.	.	.	.	.	.	6470.5	.	.	.
4378	20JUN84	.	.	.	.	.	.	.	.	.	6484.8	.	.	.
4379	21JUN84	.	.	.	.	.	.	.	.	.	6496.5	.	.	.
4380	22JUN84	.	.	.	.	.	.	.	.	.	6516.0	.	.	.
4381	23JUN84	.	.	.	.	.	.	.	.	.	6539.9	.	.	.
4382	24JUN84	.	.	.	.	.	.	.	.	.	6556.4	.	.	.
4383	25JUN84	.	.	.	.	.	.	.	.	.	6565.1	.	.	.
4384	26JUN84	.	.	.	.	.	.	.	.	.	6572.2	.	.	.
4385	27JUN84	.	.	.	.	.	.	.	.	.	6576.6	.	.	.
4386	28JUN84	.	.	.	.	.	.	.	.	.	6582.6	.	.	.
4387	29JUN84	.	.	.	.	.	.	.	.	.	6588.6	.	.	.
4388	30JUN84	.	.	.	.	.	.	.	.	.	6592.9	.	.	.
4389	01JUL84	.	.	.	.	.	.	.	.	.	6597.9	.	.	.
4390	02JUL84	.	.	.	.	.	.	.	.	.	6603.8	.	.	.
4391	03JUL84	1350	17.0	7.7	.	.	.	.	.	.	6608.5	.	.	.
4392	04JUL84	.	.	.	.	.	.	.	.	.	6612.7	.	.	.
4393	05JUL84	.	.	.	.	.	.	.	.	.	6617.8	.	.	.
4394	06JUL84	1394	17.0	7.7	-1	1.8	.	4	.	25	6622.2	.	.	.
4395	07JUL84	.	.	.	.	.	.	.	.	.	6625.1	.	.	.
4396	08JUL84	.	.	.	.	.	.	.	.	.	6624.8	.	.	.
4397	09JUL84	.	.	.	.	.	.	.	.	.	6632.3	.	.	.
4398	10JUL84	.	.	.	.	.	.	.	.	.	6635.4	.	.	.
4399	11JUL84	.	.	.	.	.	.	.	.	.	6638.4	.	.	.
4400	12JUL84	.	.	.	.	.	.	.	.	.	6641.4	.	.	.
4401	13JUL84	.	.	.	.	.	.	.	.	.	6643.5	.	.	.
4402	14JUL84	.	.	.	.	.	.	.	.	.	6645.4	.	.	.
4403	15JUL84	.	.	.	.	.	.	.	.	.	6647.1	.	.	.
4404	16JUL84	1500	17.2	7.9	-1	1.6	.	4	-0.1	15	6649.7	.	.	.
4405	19JUL84	1486	.	7.9	-1	1.9	-1	3	-0.1	28	6655.1	.	.	.
4406	23JUL84	1479	.	7.9	-1	2.0	-1	2	-0.1	22	6660.3	.	.	.
4407	27JUL84	1428	.	7.9	-1	2.1	-1	1	-0.1	36	6664.7	.	.	.
4408	30JUL84	1500	.	7.9	-1	2.2	-1	1	-0.1	20	6666.0	.	.	.
4409	02AUG84	1479	.	7.9	-1	1.9	-1	2	-0.1	16	6670.2	.	.	.
4410	06AUG84	1480	.	7.8	-1	2.0	-1	2	-0.1	15	6673.9	.	.	.
4411	09AUG84	1450	.	7.7	.	2.1	-1	2	-0.1	18	6676.1	.	.	.
4412	13AUG84	1438	.	7.8	-1	2.1	-1	2	-0.1	22	6678.9	.	.	.
4413	16AUG84	1520	.	7.7	-1	2.0	-1	2	-0.1	20	6680.6	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-6C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4414	20AUG84	1390	.	7.8	-1	2.2	-1	2	-0.1	30	6682.9	.	.	.
4415	23AUG84	1390	16.8	7.8	-1	2.2	-1	1	-0.1	37	6684.5	.	.	.
4416	27AUG84	1510	.	7.7	-1	1.9	-1	2	-0.1	25	6685.8	.	.	.
4417	30AUG84	1320	.	7.8	-1	1.9	-1	2	.	.	.	.	.	.
4418	31AUG84	.	.	.	.	.	.	.	.	.	6688.5	.	.	.
4419	06SEP84	1596	.	7.9	-1	2.4	-1	2	-0.1	18	6692.3	.	.	.
4420	13SEP84	1488	.	7.8	-1	2.0	-1	2	-0.1	22	6695.5	.	.	.
4421	20SEP84	1467	.	7.8	-1	2.1	-1	2	-0.1	20	6698.5	.	.	.
4422	22SEP84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
4423	23SEP84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
4424	24SEP84	.	.	.	.	.	.	.	.	.	6699.9	.	.	.
4425	25SEP84	.	.	.	.	.	.	.	.	.	6699.0	.	.	.
4426	26SEP84	1522	15.1	7.8	-1	2.0	-1	2	-0.1	20	.	.	.	.
4427	27SEP84	.	.	.	.	.	.	.	.	.	6700.7	.	.	.
4428	03OCT84	1467	.	7.8	-1	2.3	-1	3	-0.1	22	6702.9	.	.	.
4429	10OCT84	1502	.	7.8	-1	2.1	-1	2	-0.1	19	6705.1	.	.	.
4430	17OCT84	1510	.	7.8	-1	2.5	-1	2	-0.1	22	.	.	.	.
4431	18OCT84	.	.	.	.	.	.	.	.	.	6707.1	.	.	.
4432	25OCT84	2417	.	7.5	-1	1.4	-1	5	-0.1	10	6708.7	.	.	.
4433	31OCT84	1441	.	7.8	-1	2.6	-1	3	-0.1	25	.	.	.	.
4434	01NOV84	.	.	.	.	.	.	.	.	.	6709.8	.	.	.
4435	07NOV84	1401	.	7.7	-1	2.8	-1	4	-0.1	32	.	.	.	.
4436	14NOV84	1441	14.4	7.8	-1	2.0	-1	3	-0.1	12	6711.5	.	.	.
4437	20NOV84	1562	14.8	7.8	-1	2.4	-1	3	-0.1	25	.	.	.	.
4438	21NOV84	.	.	.	.	.	.	.	.	.	6710.9	.	.	.
4439	27NOV84	1406	14.6	7.8	-1	2.5	-1	11	-0.1	12	.	.	.	.
4440	05DEC84	.	.	.	.	.	.	.	.	.	6712.2	.	.	.
4441	06DEC84	1418	.	7.8	-1	2.6	-1	3	-0.1	22	.	.	.	.
4442	11DEC84	1440	15.1	7.8	-1	2.1	-1	3	-0.1	15	.	.	.	.
4443	12DEC84	.	.	.	.	.	.	.	.	.	6713.2	.	.	.
4444	19DEC84	.	.	.	.	.	.	.	.	.	6714.2	.	.	.
4445	20DEC84	1315	14.5	7.8	-1	2.0	-1	3	-0.1	28	.	.	.	.
4446	26DEC84	1371	15.0	7.8	.	2.3	-1	3	-0.1	25	6714.4	.	.	.
4447	02JAN85	.	.	.	.	.	.	.	.	.	6715.0	.	.	.
4448	03JAN85	1384	15.1	7.7	.	2.2	-1	3	-0.1	27	.	.	.	.
4449	07JAN85	1400	15.1	7.8	.	2.0	-1	3	-0.1	20	.	.	.	.
4450	09JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
4451	14JAN85	1400	15.6	7.7	-1	2.2	-1	3	.	18	.	.	.	.
4452	16JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
4453	21JAN85	1351	15.5	7.7	-1	2.4	-1	4	-0.1	22	.	.	.	.
4454	23JAN85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
4455	28JAN85	2361	.	7.7	-1	2.3	-1	3	-0.1	25	.	.	.	.
4456	30JAN85	.	.	.	.	.	.	.	.	.	6716.2	.	.	.
4457	04FEB85	1394	15.3	7.8	-1	2.2	-1	3	-0.1	15	.	.	.	.
4458	06FEB85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
4459	11FEB85	1362	15.7	7.8	-1	2.1	-1	3	-0.1	78	.	.	.	.
4460	13FEB85	.	.	.	.	.	.	.	.	.	6716.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4461	18MAR85	1416	15.8	7.8	-1	2.2	-1	5	-0.1	20	.	.	.	.
4462	20MAR85	.	.	.	.	.	.	.	.	.	6718.5	.	.	.
4463	25MAR85	1362	16.0	7.7	-1	2.4	-1	4	-0.1	18	.	.	.	.
4464	28MAR85	.	.	.	.	.	.	.	.	.	6720.1	.	.	.

STATION LOCATION=RAM-6S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4465	11MAY84	.	.	.	.	.	.	.	.	.	6712.1	.	.	.
4466	12MAY84	.	.	.	.	.	.	.	.	.	6711.8	.	.	.
4467	13MAY84	.	.	.	.	.	.	.	.	.	6698.6	.	.	.
4468	14MAY84	.	.	.	.	.	.	.	.	.	6698.5	.	.	.
4469	15MAY84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
4470	16MAY84	.	.	.	.	.	.	.	.	.	6698.3	.	.	.
4471	17MAY84	.	.	.	.	.	.	.	.	.	6697.5	.	.	.
4472	18MAY84	.	.	.	.	.	.	.	.	.	6698.4	.	.	.
4473	19MAY84	.	.	.	.	.	.	.	.	.	6698.2	.	.	.
4474	20MAY84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
4475	21MAY84	.	.	.	.	.	.	.	.	.	6698.1	.	.	.
4476	22MAY84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
4477	23MAY84	.	.	.	.	.	.	.	.	.	6798.0	.	.	.
4478	24MAY84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
4479	25MAY84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
4480	26MAY84	.	.	.	.	.	.	.	.	.	6698.0	.	.	.
4481	27MAY84	.	.	.	.	.	.	.	.	.	6697.7	.	.	.
4482	28MAY84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
4483	29MAY84	.	.	.	.	.	.	.	.	.	6696.8	.	.	.
4484	30MAY84	.	.	.	.	.	.	.	.	.	6696.9	.	.	.
4485	31MAY84	.	.	.	.	.	.	.	.	.	6696.9	.	.	.
4486	01JUN84	.	.	.	.	.	.	.	.	.	6696.9	.	.	.
4487	02JUN84	.	.	.	.	.	.	.	.	.	6696.9	.	.	.
4488	03JUN84	.	.	.	.	.	.	.	.	.	6697.1	.	.	.
4489	04JUN84	.	.	.	.	.	.	.	.	.	6697.9	.	.	.
4490	05JUN84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
4491	07JUN84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
4492	08JUN84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
4493	09JUN84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
4494	10JUN84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
4495	12JUN84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
4496	13JUN84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
4497	15JUN84	.	.	.	.	.	.	.	.	.	6700.0	.	.	.
4498	16JUN84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
4499	17JUN84	.	.	.	.	.	.	.	.	.	6700.0	.	.	.
4500	18JUN84	.	.	.	.	.	.	.	.	.	6699.9	.	.	.
4501	19JUN84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RAM-6S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4502	20JUN84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
4503	22JUN84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
4504	23JUN84	.	.	.	.	.	.	.	.	.	6699.3	.	.	.
4505	24JUN84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
4506	25JUN84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
4507	26JUN84	.	.	.	.	.	.	.	.	.	6699.3	.	.	.
4508	27JUN84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
4509	28JUN84	.	.	.	.	.	.	.	.	.	6699.4	.	.	.
4510	29JUN84	.	.	.	.	.	.	.	.	.	6699.4	.	.	.
4511	30JUN84	.	.	.	.	.	.	.	.	.	6699.4	.	.	.
4512	01JUL84	.	.	.	.	.	.	.	.	.	6699.4	.	.	.
4513	02JUL84	.	.	.	.	.	.	.	.	.	6699.4	.	.	.
4514	03JUL84	.	.	.	.	.	.	.	.	.	6699.3	.	.	.
4515	04JUL84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
4516	05JUL84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
4517	06JUL84	.	.	.	.	.	.	.	.	.	6699.2	.	.	.
4518	07JUL84	.	.	.	.	.	.	.	.	.	6699.1	.	.	.
4519	08JUL84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4520	09JUL84	.	.	.	.	.	.	.	.	.	6699.0	.	.	.
4521	10JUL84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4522	11JUL84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4523	12JUL84	.	.	.	.	.	.	.	.	.	6699.0	.	.	.
4524	13JUL84	.	.	.	.	.	.	.	.	.	6699.0	.	.	.
4525	14JUL84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4526	15JUL84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4527	16JUL84	.	.	.	.	.	.	.	.	.	6699.0	.	.	.
4528	19JUL84	.	.	.	.	.	.	.	.	.	6699.3	.	.	.
4529	23JUL84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
4530	27JUL84	.	.	.	.	.	.	.	.	.	6730.6	.	.	.
4531	30JUL84	.	.	.	.	.	.	.	.	.	6702.2	.	.	.
4532	02AUG84	.	.	.	.	.	.	.	.	.	6703.4	.	.	.
4533	06AUG84	.	.	.	.	.	.	.	.	.	6705.4	.	.	.
4534	09AUG84	.	.	.	.	.	.	.	.	.	6705.8	.	.	.
4535	13AUG84	.	.	.	.	.	.	.	.	.	6705.9	.	.	.
4536	16AUG84	.	.	.	.	.	.	.	.	.	6705.6	.	.	.
4537	20AUG84	.	.	.	.	.	.	.	.	.	6705.3	.	.	.
4538	23AUG84	.	.	.	.	.	.	.	.	.	6708.2	.	.	.
4539	27AUG84	.	.	.	.	.	.	.	.	.	6706.9	.	.	.
4540	31AUG84	.	.	.	.	.	.	.	.	.	6706.6	.	.	.
4541	06SEP84	.	.	.	.	.	.	.	.	.	6705.4	.	.	.
4542	13SEP84	.	.	.	.	.	.	.	.	.	6705.1	.	.	.
4543	20SEP84	.	.	.	.	.	.	.	.	.	6706.2	.	.	.
4544	27SEP84	.	.	.	.	.	.	.	.	.	6706.3	.	.	.
4545	030CT84	.	.	.	.	.	.	.	.	.	6707.1	.	.	.
4546	100CT84	.	.	.	.	.	.	.	.	.	6707.6	.	.	.
4547	180CT84	.	.	.	.	.	.	.	.	.	6708.8	.	.	.
4548	250CT84	.	.	.	.	.	.	.	.	.	6710.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RAM-6S

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4549	01NOV84	.	.	.	.	.	.	.	.	.	6711.0	.	.	.
4550	14NOV84	.	.	.	.	.	.	.	.	.	6712.3	.	.	.
4551	21NOV84	.	.	.	.	.	.	.	.	.	6711.7	.	.	.
4552	28NOV84	.	.	.	.	.	.	.	.	.	6712.3	.	.	.
4553	05DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	.	.
4554	12DEC84	.	.	.	.	.	.	.	.	.	6713.5	.	.	.
4555	19DEC84	.	.	.	.	.	.	.	.	.	6714.2	.	.	.
4556	26DEC84	.	.	.	.	.	.	.	.	.	6714.8	.	.	.
4557	02JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
4558	09JAN85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
4559	16JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
4560	23JAN85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.
4561	30JAN85	.	.	.	.	.	.	.	.	.	6716.1	.	.	.
4562	06FEB85	.	.	.	.	.	.	.	.	.	6716.2	.	.	.
4563	13FEB85	.	.	.	.	.	.	.	.	.	6716.2	.	.	.
4564	20MAR85	.	.	.	.	.	.	.	.	.	6753.2	.	.	.
4565	28MAR85	.	.	.	.	.	.	.	.	.	6745.4	.	.	.

STATION LOCATION=RAM-7A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4566	22SEP84	.	.	.	.	.	.	.	.	.	6699.6	.	.	.
4567	23SEP84	.	.	.	.	.	.	.	.	.	6699.8	.	.	.
4568	24SEP84	.	.	.	.	.	.	.	.	.	6700.2	.	.	.
4569	25SEP84	.	.	.	.	.	.	.	.	.	6699.0	.	.	.
4570	26SEP84	11120	31.8	12.6	5.6	1.0	-1	740	1.0	45	6701.2	.	.	.
4571	27SEP84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
4572	28SEP84	.	.	.	.	.	.	.	.	.	6699.9	.	.	.
4573	02OCT84	11473	.	12.5	6.6	1.2	-1	760	.	42	.	.	.	.
4574	03OCT84	.	.	.	.	.	.	.	.	.	6703.3	.	.	.
4575	04OCT84	11995	31.7	12.6	9.0	1.1	-1	760	1.0	45	.	.	.	.
4576	08OCT84	11087	.	12.5	8.2	1.1	-1	800	1.0	145	.	.	.	.
4577	10OCT84	.	.	.	.	.	.	.	.	.	6705.6	.	.	.
4578	11OCT84	9287	.	12.5	6.8	0.7	-1	780	.	42	.	.	.	.
4579	15OCT84	11374	.	12.6	5.8	0.7	-1	860	.	41	.	.	.	.
4580	18OCT84	12050	.	12.5	10.1	1.2	-1	780	.	40	6707.7	.	.	.
4581	23OCT84	10933	.	12.6	10.0	1.1	-1	820	.	44	.	.	.	.
4582	25OCT84	11704	31.0	12.4	7.6	1.3	-1	800	.	52	6709.1	.	.	.
4583	31OCT84	10290	.	12.6	8.0	1.1	-1	910	1.0	42	.	.	.	.
4584	01NOV84	.	.	.	.	.	.	.	.	.	6710.2	.	.	.
4585	07NOV84	10349	.	12.5	6.7	1.2	-1	740	.	45	.	.	.	.
4586	14NOV84	9261	30.2	12.5	5.8	0.9	-1	660	.	40	6712.1	.	.	.
4587	20NOV84	9878	30.8	12.4	6.4	0.8	-1	700	.	45	.	.	.	.
4588	21NOV84	.	.	.	.	.	.	.	.	.	6711.5	.	.	.
4589	27NOV84	10291	30.2	12.5	6.4	0.9	-1	700	1.0	48	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-7A

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4590	28NOV84	.	.	.	.	.	.	.	.	.	6711.3	.	.	.
4591	05DEC84	.	.	.	.	.	.	.	.	.	6713.2	.	.	.
4592	06DEC84	9792	.	12.5	7.0	1.1	-1	720	.	50	.	.	.	.
4593	11DEC84	9459	30.5	12.5	6.6	1.1	-1	620	0.3	45	.	.	.	.
4594	12DEC84	.	.	.	.	.	.	.	.	.	6713.8	.	.	.
4595	19DEC84	.	.	.	.	.	.	.	.	.	6714.7	.	.	.
4596	20DEC84	8634	30.5	12.4	6.8	1.0	-1	700	.	60	.	.	.	.
4597	26DEC84	8713	29.0	12.4	.	1.1	-1	680	0.2	62	6715.3	.	.	.
4598	02JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
4599	03JAN85	9225	29.8	12.4	.	1.0	-1	665	.	42	.	.	.	.
4600	07JAN85	9200	30.5	12.4	.	0.9	-1	670	.	50	.	.	.	.
4601	09JAN85	.	.	.	.	.	.	.	.	.	6715.8	.	.	.
4602	14JAN85	8800	29.6	12.4	8.0	1.3	-1	690	.	70	.	.	.	.
4603	16JAN85	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
4604	21JAN85	9007	30.2	12.4	7.0	1.2	-1	740	.	55	.	.	.	.
4605	23JAN85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
4606	28JAN85	9090	.	12.3	5.6	1.3	-1	630	.	50	.	.	.	.
4607	30JAN85	.	.	.	.	.	.	.	.	.	6716.7	.	.	.
4608	04FEB85	9462	30.4	12.4	7.6	1.2	-1	720	.	42	.	.	.	.
4609	06FEB85	.	.	.	.	.	.	.	.	.	6716.8	.	.	.
4610	11FEB85	9452	31.3	12.5	6.4	1.2	-1	740	.	60	.	.	.	.
4611	13FEB85	.	.	.	.	.	.	.	.	.	6716.7	.	.	.
4612	18MAR85	9764	30.8	12.5	7.4	0.7	-1	725	.	55	.	.	.	.
4613	20MAR85	.	.	.	.	.	.	.	.	.	6719.0	.	.	.
4614	25MAR85	9576	30.5	12.5	7.2	0.9	-1	720	.	48	.	.	.	.
4615	28MAR85	.	.	.	.	.	.	.	.	.	6720.6	.	.	.

STATION LOCATION=RAM-7B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4616	22SEP84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
4617	23SEP84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
4618	24SEP84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
4619	25SEP84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4620	26SEP84	6561	31.6	11.7	5.4	2.7	5	760	1	45	6700.5	.	.	.
4621	27SEP84	.	.	.	.	.	.	.	.	.	6699.9	.	.	.
4622	28SEP84	.	.	.	.	.	.	.	.	.	6699.6	.	.	.
4623	02OCT84	6675	.	11.6	5.8	2.7	5	760	.	35	.	.	.	.
4624	03OCT84	.	.	.	.	.	.	.	.	.	6703.1	.	.	.
4625	04OCT84	6467	32.1	11.4	8.8	2.9	5	740	1	41	.	.	.	.
4626	08OCT84	6544	.	11.4	7.2	2.8	5	760	1	40	.	.	.	.
4627	10OCT84	.	.	.	.	.	.	.	.	.	6705.3	.	.	.
4628	11OCT84	6250	.	11.5	5.6	2.2	5	720	.	36	.	.	.	.
4629	15OCT84	6184	.	11.5	5.4	2.0	4	760	.	36	.	.	.	.
4630	18OCT84	6025	.	11.5	7.6	2.7	-1	780	.	32	6707.3	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-7B

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4631	23OCT84	6703	.	11.5	8.4	2.9	1	780	.	30	.	.	.	.
4632	25OCT84	6305	31.7	11.1	6.0	3.4	5	800	.	32	6708.8	.	.	.
4633	31OCT84	6277	.	11.4	7.0	3.6	5	670	1	35	.	.	.	.
4634	01NOV84	.	.	.	.	.	.	.	.	.	6709.9	.	.	.
4635	07NOV84	5821	.	11.5	5.8	3.3	5	800	.	35	.	.	.	.
4636	14NOV84	6225	31.0	11.3	5.4	2.6	1	820	.	32	6712.0	.	.	.
4637	20NOV84	6637	31.2	11.3	5.6	2.9	2	900	.	40	.	.	.	.
4638	21NOV84	.	.	.	.	.	.	.	.	.	6711.1	.	.	.
4639	27NOV84	6225	31.1	11.3	6.0	2.5	-1	830	1	28	.	.	.	.
4640	28NOV84	.	.	.	.	.	.	.	.	.	6712.1	.	.	.
4641	05DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	.	.
4642	06DEC84	6120	.	11.2	6.5	3.2	5	810	.	32	.	.	.	.
4643	11DEC84	6516	31.0	11.7	6.0	2.6	1	760	.	30	.	.	.	.
4644	12DEC84	.	.	.	.	.	.	.	.	.	6713.3	.	.	.
4645	19DEC84	.	.	.	.	.	.	.	.	.	6714.3	.	.	.
4646	20DEC84	5331	31.1	11.3	6.0	2.7	-1	800	.	38	.	.	.	.
4647	26DEC84	6070	30.0	11.2	.	3.3	4	770	1	42	6714.9	.	.	.
4648	02JAN85	.	.	.	.	.	.	.	.	.	6715.1	.	.	.
4649	03JAN85	5843	30.6	11.3	.	2.5	2	760	.	42	.	.	.	.
4650	07JAN85	6185	31.2	11.2	.	2.5	2	760	.	40	.	.	.	.
4651	09JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
4652	14JAN85	6075	31.0	11.2	7.6	2.7	5	800	.	41	.	.	.	.
4653	16JAN85	.	.	.	.	.	.	.	.	.	6715.4	.	.	.
4654	21JAN85	5972	31.0	11.2	6.2	3.4	2	800	.	40	.	.	.	.
4655	23JAN85	.	.	.	.	.	.	.	.	.	6715.9	.	.	.
4656	28JAN85	6718	.	11.8	6.8	2.7	-1	770	.	32	.	.	.	.
4657	30JAN85	.	.	.	.	.	.	.	.	.	6716.1	.	.	.
4658	04FEB85	6016	30.8	11.2	6.4	2.8	2	680	.	42	.	.	.	.
4659	06FEB85	.	.	.	.	.	.	.	.	.	6716.4	.	.	.
4660	11FEB85	6227	31.7	11.2	5.6	2.7	5	800	.	42	.	.	.	.
4661	13FEB85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
4662	18MAR85	6116	31.2	11.2	6.8	2.8	4	770	.	45	.	.	.	.
4663	20MAR85	.	.	.	.	.	.	.	.	.	6718.6	.	.	.
4664	25MAR85	6384	31.0	11.6	6.4	2.9	4	840	.	30	.	.	.	.
4665	28MAR85	.	.	.	.	.	.	.	.	.	6720.2	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-7C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRERD
4666	22SEP84	.	.	.	.	.	.	.	.	.	6699.5	.	.	.
4667	23SEP84	.	.	.	.	.	.	.	.	.	6699.6	.	.	.
4668	24SEP84	.	.	.	.	.	.	.	.	.	6700.2	.	.	.
4669	25SEP84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4670	26SEP84	5782	31.0	11.0	4.7	2.4	5	720	1	45	6700.7	.	.	.
4671	27SEP84	.	.	.	.	.	.	.	.	.	6699.9	.	.	.
4672	28SEP84	.	.	.	.	.	.	.	.	.	6699.7	.	.	.
4673	02OCT84	6049	.	10.6	5.4	2.7	5	720	.	34	.	.	.	.
4674	03OCT84	.	.	.	.	.	.	.	.	.	6703.2	.	.	.
4675	04OCT84	6258	32.0	10.7	7.6	2.6	5	700	1	38	.	.	.	.
4676	08OCT84	5870	.	10.4	6.6	2.7	-1	720	1	35	.	.	.	.
4677	10OCT84	.	.	.	.	.	.	.	.	.	6705.4	.	.	.
4678	11OCT84	5456	.	10.3	5.3	2.3	-1	680	.	95	.	.	.	.
4679	15OCT84	5433	.	10.2	5.2	2.1	-1	720	.	28	.	.	.	.
4680	18OCT84	5784	.	10.6	6.2	2.8	-1	760	.	30	6707.4	.	.	.
4681	23OCT84	6171	.	10.7	8.0	2.8	-1	740	.	22	.	.	.	.
4682	25OCT84	6087	30.6	10.4	5.8	3.2	1	740	.	30	6708.8	.	.	.
4683	31OCT84	5762	.	10.8	7.2	3.5	5	660	1	42	.	.	.	.
4684	01NOV84	.	.	.	.	.	.	.	.	.	6709.8	.	.	.
4685	07NOV84	5929	.	10.8	5.8	3.4	5	800	.	38	.	.	.	.
4686	14NOV84	5762	30.2	10.2	5.2	2.6	-1	780	.	32	6711.9	.	.	.
4687	20NOV84	5846	31.1	10.2	5.6	3.2	-1	840	.	42	.	.	.	.
4688	21NOV84	.	.	.	.	.	.	.	.	.	6711.1	.	.	.
4689	27NOV84	5823	30.4	10.3	5.8	2.6	-1	750	1	38	.	.	.	.
4690	28NOV84	.	.	.	.	.	.	.	.	.	6711.9	.	.	.
4691	05DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	.	.
4692	06DEC84	5712	.	10.3	6.2	3.0	-1	760	.	35	.	.	.	.
4693	11DEC84	5675	31.3	10.5	6.0	2.7	-1	740	.	30	.	.	.	.
4694	12DEC84	.	.	.	.	.	.	.	.	.	6713.2	.	.	.
4695	19DEC84	.	.	.	.	.	.	.	.	.	6714.3	.	.	.
4696	20DEC84	5321	31.0	10.2	5.8	2.7	-1	750	.	42	.	.	.	.
4697	26DEC84	5874	28.0	10.3	.	3.2	-1	700	1	42	6714.8	.	.	.
4698	02JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
4699	03JAN85	5945	30.3	10.6	.	2.5	1	700	.	40	.	.	.	.
4700	07JAN85	5975	30.8	10.4	.	2.5	1	700	.	38	.	.	.	.
4701	09JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
4702	14JAN85	5300	30.7	10.4	7.4	2.7	-1	760	.	38	.	.	.	.
4703	16JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
4704	21JAN85	5385	30.5	10.5	6.0	3.3	-1	750	.	40	.	.	.	.
4705	23JAN85	.	.	.	.	.	.	.	.	.	6715.6	.	.	.
4706	28JAN85	5711	.	10.3	5.6	3.1	-1	740	.	40	.	.	.	.
4707	30JAN85	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
4708	04FEB85	5478	30.7	10.4	5.9	2.7	-1	720	.	32	.	.	.	.
4709	06FEB85	.	.	.	.	.	.	.	.	.	6716.3	.	.	.
4710	11FEB85	5671	31.6	10.3	5.6	2.7	2	750	.	32	.	.	.	.
4711	13FEB85	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
4712	18MAR85	5687	30.5	10.5	6.4	2.7	1	720	.	35	.	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-7C

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4713	20MAR85	.	.	.	.	.	.	.	.	.	6718.3	.	.	.
4714	25MAR85	5533	30.7	10.3	6.2	3.1	-1	780	.	35	.	.	.	.
4715	28MAR85	.	.	.	.	.	.	.	.	.	6719.9	.	.	.

STATION LOCATION=RAM-7G

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4716	22SEP84	.	.	.	.	.	.	.	.	.	6699.4	.	.	.
4717	23SEP84	.	.	.	.	.	.	.	.	.	6699.6	.	.	.
4718	24SEP84	.	.	.	.	.	.	.	.	.	6700.1	.	.	.
4719	25SEP84	.	.	.	.	.	.	.	.	.	6698.9	.	.	.
4720	26SEP84	5560	31.4	9.5	5.8	4.4	5	760	1.0	108	6700.7	.	.	.
4721	27SEP84	.	.	.	.	.	.	.	.	.	6700.0	.	.	.
4722	28SEP84	.	.	.	.	.	.	.	.	.	6699.6	.	.	.
4723	02OCT84	5841	.	8.9	7.2	4.4	5	720	0.4	88	.	.	.	.
4724	03OCT84	.	.	.	.	.	.	.	.	.	6703.2	.	.	.
4725	04OCT84	5841	32.0	9.1	10.2	4.4	5	700	1.0	85	.	.	.	.
4726	08OCT84	5979	.	9.0	9.2	4.8	5	740	1.0	108	.	.	.	.
4727	10OCT84	.	.	.	.	.	.	.	.	.	6705.4	.	.	.
4728	11OCT84	5456	.	8.9	7.2	3.8	5	700	.	33	.	.	.	.
4729	15OCT84	5304	.	8.8	7.8	3.6	5	720	.	97	.	.	.	.
4730	18OCT84	5688	.	9.1	8.0	4.4	-1	780	.	87	6707.5	.	.	.
4731	23OCT84	5852	.	9.2	10.1	4.4	-1	750	.	78	.	.	.	.
4732	25OCT84	5862	31.2	9.0	8.5	5.0	5	720	.	75	6708.9	.	.	.
4733	31OCT84	5660	.	9.0	9.8	5.4	2	660	1.0	80	.	.	.	.
4734	01NOV84	.	.	.	.	.	.	.	.	.	6710.0	.	.	.
4735	07NOV84	5606	.	9.1	7.8	5.7	-1	780	.	78	.	.	.	.
4736	14NOV84	5454	29.2	9.0	7.2	3.8	-1	780	.	75	6712.1	.	.	.
4737	20NOV84	5645	30.5	9.1	7.6	5.0	-1	820	.	65	.	.	.	.
4738	21NOV84	.	.	.	.	.	.	.	.	.	6711.3	.	.	.
4739	27NOV84	5622	30.3	9.3	8.0	4.0	-1	740	0.4	90	.	.	.	.
4740	28NOV84	.	.	.	.	.	.	.	.	.	6712.4	.	.	.
4741	05DEC84	.	.	.	.	.	.	.	.	.	6712.9	.	.	.
4742	06DEC84	5202	.	9.3	8.6	4.4	-1	720	.	80	.	.	.	.
4743	11DEC84	5665	30.8	9.2	8.8	4.2	-1	740	0.4	75	.	.	.	.
4744	12DEC84	.	.	.	.	.	.	.	.	.	6713.5	.	.	.
4745	19DEC84	.	.	.	.	.	.	.	.	.	6714.5	.	.	.
4746	20DEC84	5221	31.0	9.2	8.4	3.8	-1	750	.	72	.	.	.	.
4747	26DEC84	5306	28.0	9.2	.	4.5	5	710	0.8	180	6715.1	.	.	.
4748	02JAN85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
4749	03JAN85	5515	30.4	9.4	.	3.8	-1	720	0.6	85	.	.	.	.
4750	07JAN85	5580	30.6	9.4	.	3.9	5	720	0.6	102	.	.	.	.
4751	09JAN85	.	.	.	.	.	.	.	.	.	6715.5	.	.	.
4752	14JAN85	5200	30.7	9.4	9.8	4.1	-1	760	.	118	.	.	.	.
4753	16JAN85	.	.	.	.	.	.	.	.	.	6715.7	.	.	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RAM-7G

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4754	21JAN85	5287	30.4	9.3	8.0	5.0	-1	760	0.6	122	.	.	.	.
4755	23JAN85	.	.	.	.	.	.	.	.	.	6716.0	.	.	.
4756	28JAN85	5533	.	9.4	6.8	4.3	-1	760	0.3	78	.	.	.	.
4757	30JAN85	.	.	.	.	.	.	.	.	.	6716.4	.	.	.
4758	04FEB85	5378	30.5	9.2	8.4	4.2	5	740	0.6	115	.	.	.	.
4759	06FEB85	.	.	.	.	.	.	.	.	.	6716.5	.	.	.
4760	11FEB85	5560	31.4	9.2	7.6	3.9	5	750	0.8	120	.	.	.	.
4761	13FEB85	.	.	.	.	.	.	.	.	.	6716.5	.	.	.
4762	18MAR85	5580	30.8	9.2	9.4	4.3	5	720	0.4	130	.	.	.	.
4763	20MAR85	.	.	.	.	.	.	.	.	.	6718.8	.	.	.
4764	25MAR85	5320	30.2	9.4	8.6	4.2	5	760	0.4	85	.	.	.	.
4765	28MAR85	.	.	.	.	.	.	.	.	.	6720.4	.	.	.

STATION LOCATION=RET-2

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4766	15MAR84	.	.	.	.	.	.	.	.	.	6391.2	.	.	.
4767	20MAR84	.	.	.	.	.	.	.	.	.	6392.6	.	.	.
4768	28MAR84	.	.	.	.	.	.	.	.	.	6392.4	.	.	.
4769	04APR84	.	.	.	.	.	.	.	.	.	6393.0	.	.	.
4770	13APR84	.	.	.	.	.	.	.	.	.	6394.3	.	.	.
4771	19APR84	.	.	.	.	.	.	.	.	.	6392.6	.	.	.
4772	24APR84	.	.	.	.	.	.	.	.	.	6391.4	.	.	.
4773	02MAY84	.	.	.	.	.	.	.	.	.	6394.0	.	.	.
4774	08MAY84	.	.	.	.	.	.	.	.	.	6393.8	.	.	.
4775	09MAY84	.	.	.	.	.	.	.	.	.	6393.5	.	.	.
4776	10MAY84	.	.	.	.	.	.	.	.	.	6393.8	.	.	.
4777	11MAY84	.	.	.	.	.	.	.	.	.	6393.2	.	.	.
4778	12MAY84	.	.	.	.	.	.	.	.	.	6393.4	.	.	.
4779	13MAY84	.	.	.	.	.	.	.	.	.	6393.5	.	.	.
4780	14MAY84	.	.	.	.	.	.	.	.	.	6393.7	.	.	.
4781	15MAY84	.	.	.	.	.	.	.	.	.	6393.9	.	.	.
4782	16MAY84	.	.	.	.	.	.	.	.	.	6393.8	.	.	.
4783	17MAY84	.	.	.	.	.	.	.	.	.	6392.9	.	.	.
4784	18MAY84	.	.	.	.	.	.	.	.	.	6393.7	.	.	.
4785	19MAY84	.	.	.	.	.	.	.	.	.	6393.4	.	.	.
4786	20MAY84	.	.	.	.	.	.	.	.	.	6393.5	.	.	.
4787	21MAY84	.	.	.	.	.	.	.	.	.	6393.3	.	.	.
4788	22MAY84	.	.	.	.	.	.	.	.	.	6391.9	.	.	.
4789	23MAY84	.	.	.	.	.	.	.	.	.	6392.5	.	.	.
4790	24MAY84	.	.	.	.	.	.	.	.	.	6393.8	.	.	.
4791	25MAY84	.	.	.	.	.	.	.	.	.	6394.7	.	.	.
4792	26MAY84	.	.	.	.	.	.	.	.	.	6395.5	.	.	.
4793	27MAY84	.	.	.	.	.	.	.	.	.	6395.7	.	.	.
4794	28MAY84	.	.	.	.	.	.	.	.	.	6396.3	.	.	.

RIO BLANCO OIL SHALE COMPANY
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STATION LOCATION=RET-2

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4795	29MAY84	.	.	.	.	.	.	.	.	.	6397.4	.	.	.
4796	30MAY84	.	.	.	.	.	.	.	.	.	6399.7	.	.	.
4797	31MAY84	.	.	.	.	.	.	.	.	.	6400.6	.	.	.
4798	01JUN84	.	.	.	.	.	.	.	.	.	6400.8	.	.	.
4799	02JUN84	.	.	.	.	.	.	.	.	.	6401.2	.	.	.
4800	03JUN84	.	.	.	.	.	.	.	.	.	6402.2	.	.	.
4801	04JUN84	.	.	.	.	.	.	.	.	.	6405.1	.	.	.
4802	05JUN84	.	.	.	.	.	.	.	.	.	6406.3	.	.	.
4803	07JUN84	.	.	.	.	.	.	.	.	.	6408.8	.	.	.
4804	08JUN84	.	.	.	.	.	.	.	.	.	6410.7	.	.	.
4805	09JUN84	.	.	.	.	.	.	.	.	.	6412.1	.	.	.
4806	10JUN84	.	.	.	.	.	.	.	.	.	6414.9	.	.	.
4807	12JUN84	.	.	.	.	.	.	.	.	.	6431.5	.	.	.
4808	13JUN84	.	.	.	.	.	.	.	.	.	6442.6	.	.	.
4809	14JUN84	.	.	.	.	.	.	.	.	.	6454.9	.	.	.
4810	15JUN84	.	.	.	.	.	.	.	.	.	6462.8	.	.	.
4811	16JUN84	.	.	.	.	.	.	.	.	.	6476.8	.	.	.
4812	17JUN84	.	.	.	.	.	.	.	.	.	6473.6	.	.	.
4813	18JUN84	.	.	.	.	.	.	.	.	.	6482.2	.	.	.
4814	19JUN84	.	.	.	.	.	.	.	.	.	6488.1	.	.	.
4815	20JUN84	.	.	.	.	.	.	.	.	.	6499.5	.	.	.
4816	21JUN84	.	.	.	.	.	.	.	.	.	6514.3	.	.	.
4817	22JUN84	.	.	.	.	.	.	.	.	.	6528.0	.	.	.
4818	23JUN84	.	.	.	.	.	.	.	.	.	6542.7	.	.	.
4819	24JUN84	.	.	.	.	.	.	.	.	.	6556.2	.	.	.
4820	25JUN84	.	.	.	.	.	.	.	.	.	6564.5	.	.	.
4821	26JUN84	.	.	.	.	.	.	.	.	.	6571.8	.	.	.
4822	27JUN84	.	.	.	.	.	.	.	.	.	6576.3	.	.	.
4823	28JUN84	.	.	.	.	.	.	.	.	.	6582.7	.	.	.
4824	29JUN84	.	.	.	.	.	.	.	.	.	6588.0	.	.	.
4825	30JUN84	.	.	.	.	.	.	.	.	.	6592.6	.	.	.
4826	01JUL84	.	.	.	.	.	.	.	.	.	6597.5	.	.	.
4827	02JUL84	.	.	.	.	.	.	.	.	.	6603.7	.	.	.
4828	03JUL84	.	.	.	.	.	.	.	.	.	6608.3	.	.	.
4829	04JUL84	.	.	.	.	.	.	.	.	.	6612.3	.	.	.
4830	05JUL84	.	.	.	.	.	.	.	.	.	6617.2	.	.	.
4831	06JUL84	.	.	.	.	.	.	.	.	.	6621.5	.	.	.
4832	07JUL84	.	.	.	.	.	.	.	.	.	6624.8	.	.	.
4833	08JUL84	.	.	.	.	.	.	.	.	.	6626.4	.	.	.
4834	09JUL84	.	.	.	.	.	.	.	.	.	6631.7	.	.	.
4835	10JUL84	.	.	.	.	.	.	.	.	.	6634.8	.	.	.
4836	11JUL84	.	.	.	.	.	.	.	.	.	6637.9	.	.	.
4837	12JUL84	.	.	.	.	.	.	.	.	.	6640.8	.	.	.
4838	13JUL84	.	.	.	.	.	.	.	.	.	6643.2	.	.	.
4839	14JUL84	.	.	.	.	.	.	.	.	.	6644.4	.	.	.
4840	15JUL84	.	.	.	.	.	.	.	.	.	6646.9	.	.	.
4841	16JUL84	.	.	.	.	.	.	.	.	.	6648.9	.	.	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4842	19JUL84	.	.	.	.	.	.	.	.	.	6654.1	.	.	.
4843	23JUL84	.	.	.	.	.	.	.	.	.	6659.6	.	.	.
4844	27JUL84	.	.	.	.	.	.	.	.	.	6664.1	.	.	.
4845	30JUL84	.	.	.	.	.	.	.	.	.	6665.7	.	.	.
4846	02AUG84	.	.	.	.	.	.	.	.	.	6669.5	.	.	.
4847	06AUG84	.	.	.	.	.	.	.	.	.	6673.1	.	.	.
4848	09AUG84	.	.	.	.	.	.	.	.	.	6675.3	.	.	.
4849	13AUG84	.	.	.	.	.	.	.	.	.	6678.2	.	.	.
4850	16AUG84	.	.	.	.	.	.	.	.	.	6679.8	.	.	.
4851	20AUG84	.	.	.	.	.	.	.	.	.	6682.3	.	.	.
4852	23AUG84	.	.	.	.	.	.	.	.	.	6683.7	.	.	.
4853	27AUG84	.	.	.	.	.	.	.	.	.	6680.8	.	.	.
4854	31AUG84	.	.	.	.	.	.	.	.	.	6687.8	.	.	.
4855	06SEP84	.	.	.	.	.	.	.	.	.	6691.5	.	.	.
4856	13SEP84	.	.	.	.	.	.	.	.	.	6694.6	.	.	.
4857	20SEP84	.	.	.	.	.	.	.	.	.	6697.8	.	.	.
4858	27SEP84	.	.	.	.	.	.	.	.	.	6702.3	.	.	.
4859	030CT84	.	.	.	.	.	.	.	.	.	6702.0	.	.	.
4860	100CT84	.	.	.	.	.	.	.	.	.	6704.3	.	.	.
4861	180CT84	.	.	.	.	.	.	.	.	.	6706.3	.	.	.
4862	250CT84	.	.	.	.	.	.	.	.	.	6707.8	.	.	.
4863	01NOV84	.	.	.	.	.	.	.	.	.	6708.9	.	.	.
4864	14NOV84	.	.	.	.	.	.	.	.	.	6710.8	.	.	.
4865	21NOV84	.	.	.	.	.	.	.	.	.	6709.5	.	.	.
4866	05DEC84	.	.	.	.	.	.	.	.	.	6711.4	.	.	.
4867	12DEC84	.	.	.	.	.	.	.	.	.	6712.4	.	.	.
4868	19DEC84	.	.	.	.	.	.	.	.	.	6713.3	.	.	.
4869	26DEC84	.	.	.	.	.	.	.	.	.	6713.5	.	.	.
4870	02JAN85	.	.	.	.	.	.	.	.	.	6714.1	.	.	.
4871	09JAN85	.	.	.	.	.	.	.	.	.	6714.3	.	.	.
4872	16JAN85	.	.	.	.	.	.	.	.	.	6714.4	.	.	.
4873	23JAN85	.	.	.	.	.	.	.	.	.	6714.9	.	.	.
4874	30JAN85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
4875	06FEB85	.	.	.	.	.	.	.	.	.	6715.3	.	.	.
4876	13FEB85	.	.	.	.	.	.	.	.	.	6715.2	.	.	.
4877	20MAR85	.	.	.	.	.	.	.	.	.	6717.6	.	.	.
4878	28MAR85	.	.	.	.	.	.	.	.	.	6719.1	.	.	.

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STATION LOCATION=RETORT

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
4879	17DEC82	.	.	.	.	.	.	.	.	.	6190.5	.	51820	.
4880	18DEC82	.	.	.	.	.	.	.	.	.	6193.5	.	0	.
4881	19DEC82	.	.	.	.	.	.	.	.	.	6191.6	.	57800	.
4882	20DEC82	4100	26.5	7.9	200	6.8	.	.	.	.	6193.1	.	0	.
4883	21DEC82	.	.	.	.	.	.	.	.	.	6196.1	.	0	.
4884	22DEC82	.	.	.	.	.	.	.	.	.	6197.9	.	.	.
4885	23DEC82	.	.	.	.	.	.	.	.	.	6104.5	.	.	.
4886	24DEC82	4800	26.5	7.7	150	6.6	.	.	.	.	6196.8	.	21000	.
4887	25DEC82	.	.	.	.	.	.	.	.	.	6198.0	.	.	.
4888	26DEC82	.	.	.	.	.	.	.	.	.	6196.8	.	13000	.
4889	27DEC82	4800	26.5	7.8	180	6.8	.	.	.	.	6197.3	.	38400	.
4890	28DEC82	.	.	.	.	.	.	.	.	.	6197.1	.	20600	.
4891	29DEC82	4800	26.5	7.7	190	6.8	.	.	.	.	6196.1	.	31600	.
4892	30DEC82	.	.	.	.	.	.	.	.	.	6197.7	.	51500	.
4893	31DEC82	.	.	.	.	.	.	.	.	.	6195.1	.	.	.
4894	01JAN83	4800	22.0	7.9	200	9.5	.	.	.	.	6196.0	.	49900	.
4895	02JAN83	.	.	.	.	.	.	.	.	.	6195.7	.	.	.
4896	03JAN83	3800	26.0	8.2	160	10.0	.	.	.	.	6195.7	.	40504	.
4897	04JAN83	4800	26.0	7.5	175	7.5	.	.	.	.	6193.5	.	39800	.
4898	05JAN83	.	.	.	.	.	.	.	.	.	6190.5	.	34300	.
4899	07JAN83	4200	26.0	7.8	.	.	.	.	.	.	6176.9	.	155700	.
4900	08JAN83	4225	26.5	7.9	.	.	.	.	.	.	6178.7	.	30900	.
4901	09JAN83	4525	26.5	7.6	.	.	.	.	.	.	6176.6	.	45100	.
4902	10JAN83	.	.	.	.	.	.	.	.	.	6178.2	.	0	.
4903	11JAN83	4450	28.0	7.8	50	7.2	.	.	.	.	6175.7	.	42600	.
4904	12JAN83	.	.	.	.	.	.	.	.	.	6177.3	.	5400	.
4905	13JAN83	4800	26.0	7.7	40	6.6	.	.	.	.	6174.5	.	37700	.
4906	14JAN83	.	.	.	.	.	.	.	.	.	6176.9	.	.	.
4907	15JAN83	.	.	.	.	.	.	.	.	.	6178.5	.	.	.
4908	16JAN83	4200	26.0	7.9	40	7.2	.	.	.	.	6176.7	.	35600	.
4909	17JAN83	.	.	.	.	.	.	.	.	.	6178.5	.	.	.
4910	18JAN83	4000	26.0	7.8	45	8.1	.	.	.	.	6176.7	.	34560	.
4911	19JAN83	.	.	.	.	.	.	.	.	.	6178.2	.	.	.
4912	20JAN83	3800	25.0	7.8	50	7.8	.	.	.	.	6176.2	.	36700	.
4913	21JAN83	.	.	.	.	.	.	.	.	.	6176.2	.	0	.
4914	22JAN83	3900	26.0	7.9	45	8.6	.	.	.	.	6175.6	.	34000	.
4915	23JAN83	.	.	.	.	.	.	.	.	.	6177.4	.	0	.
4916	24JAN83	4000	28.0	8.0	50	8.2	.	.	.	.	6176.1	.	21200	.
4917	25JAN83	3900	27.0	7.9	50	8.4	.	.	.	.	6176.9	.	12800	.
4918	26JAN83	4300	28.0	7.9	50	8.6	.	.	.	.	6174.5	.	34900	.
4919	27JAN83	.	.	.	.	.	.	.	.	.	6176.8	.	0	.
4920	28JAN83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4921	29JAN83	4000	26.0	7.8	50	8.6	.	.	.	.	6176.0	.	36900	.
4922	30JAN83	.	.	.	.	.	.	.	.	.	6177.5	.	0	.
4923	31JAN83	4000	27.0	7.8	50	8.4	.	.	.	.	6176.0	.	40900	.
4924	01FEB83	.	.	.	.	.	.	.	.	.	6176.4	.	.	.
4925	02FEB83	.	.	.	.	.	.	.	.	.	6177.9	.	0	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRERD
4926	03FEB83	5000	26	7.8	50	8.4	.	.	.	.	6177.0	.	33500	.
4927	04FEB83	.	.	.	.	.	.	.	.	.	6178.5	.	0	.
4928	05FEB83	4400	20	7.7	60	8.5	.	.	.	.	6181.0	.	36200	.
4929	06FEB83	.	.	.	.	.	.	.	.	.	6177.0	.	0	.
4930	07FEB83	.	.	.	.	.	.	.	.	.	6178.4	.	0	.
4931	08FEB83	4400	26	7.8	60	8.4	.	.	.	.	6176.2	.	37600	.
4932	09FEB83	.	.	.	.	.	.	.	.	.	6177.6	.	0	.
4933	10FEB83	4800	24	7.8	70	7.6	.	.	.	.	6174.9	.	38500	.
4934	11FEB83	.	.	.	.	.	.	.	.	.	6177.6	.	0	.
4935	12FEB83	4200	27	7.8	50	8.5	.	.	.	.	6175.6	.	34100	.
4936	13FEB83	.	.	.	.	.	.	.	.	.	6177.6	.	0	.
4937	14FEB83	4800	27	7.6	65	8.4	.	.	.	.	6175.6	.	32900	.
4938	15FEB83	.	.	.	.	.	.	.	.	.	6177.5	.	0	.
4939	16FEB83	4400	27	7.7	75	8.6	.	.	.	.	6175.1	.	36700	.
4940	17FEB83	.	.	.	.	.	.	.	.	.	6176.9	.	0	.
4941	18FEB83	.	.	.	.	.	.	.	.	.	6178.1	.	0	.
4942	19FEB83	4400	26	7.8	75	8.4	.	.	.	.	6176.9	.	37800	.
4943	20FEB83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4944	21FEB83	1600	27	7.8	75	8.5	.	.	.	.	6174.7	.	38700	.
4945	22FEB83	.	.	.	.	.	.	.	.	.	6177.1	.	0	.
4946	23FEB83	4400	27	7.7	70	8.4	.	.	.	.	6177.1	.	10300	.
4947	24FEB83	4400	27	7.7	70	8.4	.	.	.	.	6176.5	.	26800	.
4948	25FEB83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4949	26FEB83	4200	27	7.7	70	7.6	.	.	.	.	6176.0	.	36600	.
4950	27FEB83	.	.	.	.	.	.	.	.	.	6177.6	.	0	.
4951	28FEB83	4400	26	7.8	70	7.4	.	.	.	.	6175.3	.	36200	.
4952	01MAR83	.	.	.	.	.	.	.	.	.	6177.0	.	0	.
4953	02MAR83	4200	27	7.7	80	7.6	.	.	.	.	6174.6	.	36400	.
4954	03MAR83	4300	25	7.8	70	7.2	.	.	.	.	6176.2	.	4200	.
4955	04MAR83	.	.	.	.	.	.	.	.	.	6177.8	.	0	.
4956	05MAR83	4400	26	7.8	65	7.2	.	.	.	.	6175.6	.	35100	.
4957	06MAR83	.	.	.	.	.	.	.	.	.	6177.3	.	0	.
4958	07MAR83	4000	29	7.8	70	7.4	.	.	.	.	6176.0	.	38400	.
4959	08MAR83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4960	09MAR83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4961	10MAR83	4700	25	7.8	60	7.6	.	.	.	.	6177.3	.	37200	.
4962	11MAR83	.	.	.	.	.	.	.	.	.	6177.4	.	0	.
4963	12MAR83	4100	29	7.7	70	7.4	.	.	.	.	6176.0	.	37600	.
4964	13MAR83	.	.	.	.	.	.	.	.	.	6176.6	.	0	.
4965	14MAR83	.	.	.	.	.	.	.	.	.	6178.2	.	0	.
4966	15MAR83	4200	26	7.7	60	7.2	.	.	.	.	6175.6	.	41100	.
4967	16MAR83	.	.	.	.	.	.	.	.	.	6177.3	.	0	.
4968	17MAR83	4000	26	7.8	70	7.2	.	.	.	.	6174.5	.	38700	.
4969	18MAR83	.	.	.	.	.	.	.	.	.	6176.5	.	0	.
4970	19MAR83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4971	20MAR83	4200	26	7.8	60	7.0	.	.	.	.	6175.5	.	38800	.
4972	21MAR83	.	.	.	.	.	.	.	.	.	6177.3	.	0	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RETORT

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRGRD
4973	22MAR83	4200	26	7.8	60	6.8	.	.	.	.	6174.2	.	39600	.
4974	23MAR83	.	.	.	.	.	.	.	.	.	6176.5	.	0	.
4975	24MAR83	.	.	.	.	.	.	.	.	.	6179.6	.	0	.
4976	25MAR83	4600	26	7.8	60	6.8	.	.	.	.	6177.3	.	39800	.
4977	26MAR83	.	.	.	.	.	.	.	.	.	6179.0	.	0	.
4978	27MAR83	4200	26	7.9	60	7.0	.	.	.	.	6176.5	.	41400	.
4979	28MAR83	.	.	.	.	.	.	.	.	.	6177.3	.	0	.
4980	29MAR83	4200	26	7.6	70	7.2	.	.	.	.	6174.4	.	40800	.
4981	30MAR83	.	.	.	.	.	.	.	.	.	6176.7	.	0	.
4982	31MAR83	.	.	.	.	.	.	.	.	.	6178.5	.	0	.
4983	01APR83	4150	25	7.8	60	7.0	.	.	.	.	6176.1	.	41100	.
4984	02APR83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4985	03APR83	4600	22	7.9	70	7.2	.	.	.	.	6175.7	.	41200	.
4986	04APR83	.	.	.	.	.	.	.	.	.	6177.5	.	0	.
4987	05APR83	4600	27	8.0	70	7.0	.	.	.	.	6174.1	.	43000	.
4988	06APR83	.	.	.	.	.	.	.	.	.	6176.7	.	0	.
4989	07APR83	.	.	.	.	.	.	.	.	.	6178.3	.	0	.
4990	08APR83	4100	28	7.8	70	6.8	.	.	.	.	6176.1	.	39300	.
4991	09APR83	.	.	.	.	.	.	.	.	.	6177.8	.	0	.
4992	10APR83	4500	25	7.8	60	6.4	.	.	.	.	6176.7	.	40700	.
4993	11APR83	.	.	.	.	.	.	.	.	.	6178.7	.	0	.
4994	12APR83	3800	28	7.7	60	7.4	.	.	.	.	6174.5	.	40000	.
4995	13APR83	.	.	.	.	.	.	.	.	.	6176.4	.	0	.
4996	14APR83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
4997	15APR83	4700	26	7.9	60	7.2	.	.	.	.	6175.6	.	40600	.
4998	16APR83	.	.	.	.	.	.	.	.	.	6176.8	.	0	.
4999	17APR83	4200	26	7.8	50	6.8	.	.	.	.	6174.6	.	38800	.
5000	18APR83	.	.	.	.	.	.	.	.	.	6176.8	.	0	.
5001	19APR83	.	.	.	.	.	.	.	.	.	6178.2	.	0	.
5002	20APR83	4000	28	7.7	60	7.2	.	.	.	.	6176.0	.	39100	.
5003	21APR83	.	.	.	.	.	.	.	.	.	.	.	0	.
5004	22APR83	4200	27	7.9	60	7.0	.	.	.	.	6175.9	.	34100	.
5005	23APR83	.	.	.	.	.	.	.	.	.	6177.5	.	0	.
5006	24APR83	4000	28	7.8	50	7.4	.	.	.	.	6174.5	.	43200	.
5007	25APR83	.	.	.	.	.	.	.	.	.	6176.6	.	0	.
5008	26APR83	.	.	.	.	.	.	.	.	.	6178.1	.	0	.
5009	27APR83	4200	26	7.8	70	7.0	.	.	.	.	6175.5	.	39900	.
5010	28APR83	.	.	.	.	.	.	.	.	.	6177.3	.	0	.
5011	29APR83	4600	26	7.8	70	7.2	.	.	.	.	6174.6	.	39700	.
5012	30APR83	.	.	.	.	.	.	.	.	.	6176.6	.	0	.
5013	01MAY83	.	.	.	.	.	.	.	.	.	6178.1	.	0	.
5014	02MAY83	4200	26	7.7	60	7.2	.	.	.	.	6177.3	.	39100	.
5015	03MAY83	.	.	.	.	.	.	.	.	.	6177.4	.	0	.
5016	04MAY83	4300	27	7.7	65	.	.	.	.	.	6174.6	.	42000	.
5017	05MAY83	.	.	.	.	.	.	.	.	.	6176.6	.	0	.
5018	06MAY83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
5019	07MAY83	4900	26	7.9	70	.	.	.	.	.	6175.1	.	41600	.

RIO BLANCO OIL SHALE COMPANY
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MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=RETORT

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5020	08MAY83	.	.	.	.	.	.	.	.	.	6177.1	.	0	.
5021	09MAY83	4200	28	7.8	65	.	.	.	.	.	6175.2	.	38000	.
5022	10MAY83	.	.	.	.	.	.	.	.	.	6176.6	.	0	.
5023	11MAY83	.	.	.	.	.	.	.	.	.	6178.1	.	0	.
5024	12MAY83	4200	28	7.8	60	.	.	.	.	.	6176.0	.	37600	.
5025	13MAY83	.	.	.	.	.	.	.	.	.	6177.7	.	0	.
5026	14MAY83	4500	29	7.8	70	.	.	.	.	.	6175.2	.	39000	.
5027	15MAY83	.	.	.	.	.	.	.	.	.	6177.1	.	0	.
5028	16MAY83	4500	27	7.9	70	.	.	.	.	.	6174.5	.	38700	.
5029	17MAY83	.	.	.	.	.	.	.	.	.	6176.6	.	0	.
5030	18MAY83	.	.	.	.	.	.	.	.	.	6178.1	.	0	.
5031	19MAY83	4000	29	7.8	60	.	.	.	.	.	6176.2	.	39500	.
5032	20MAY83	.	.	.	.	.	.	.	.	.	6178.0	.	0	.
5033	21MAY83	4400	28	7.9	70	4.0	.	.	.	.	6175.8	.	39800	.
5034	22MAY83	.	.	.	.	.	.	.	.	.	6177.7	.	0	.
5035	23MAY83	4450	27	7.9	70	4.1	.	.	.	.	6175.4	.	39900	.
5036	24MAY83	.	.	.	.	.	.	.	.	.	6177.5	.	0	.
5037	25MAY83	4400	27	7.9	70	4.4	.	.	.	.	6175.3	.	40600	.
5038	26MAY83	.	.	.	.	.	.	.	.	.	6177.5	.	0	.
5039	27MAY83	4200	28	7.9	70	9.4	.	.	.	.	6176.1	.	37100	.
5040	28MAY83	.	.	.	.	.	.	.	.	.	6178.8	.	0	.
5041	29MAY83	.	.	.	.	.	.	.	.	.	6176.9	.	41500	.
5042	30MAY83	4500	31	8.0	70	9.2	.	.	.	.	6175.3	.	41400	.
5043	31MAY83	.	.	.	.	.	.	.	.	.	6178.4	.	0	.
5044	01JUN83	5400	31	8.0	70	9.4	.	.	.	.	6177.0	.	42800	.
5045	02JUN83	.	.	.	.	.	.	.	.	.	6175.0	.	42624	.
5046	03JUN83	.	.	.	.	.	.	.	.	.	6178.5	.	0	.
5047	04JUN83	4200	28	7.9	70	7.0	.	.	.	.	6181.1	.	13900	.
5048	05JUN83	4300	29	7.9	70	7.1	.	.	.	.	6181.0	.	28100	.
5049	06JUN83	4400	30	7.8	70	7.2	.	.	.	.	6180.7	.	28600	.
5050	07JUN83	5600	31	8.0	75	7.8	.	.	.	.	6179.9	.	33300	.
5051	08JUN83	4800	30	8.2	70	9.0	.	.	.	.	6178.9	.	31900	.
5052	09JUN83	5000	31	8.2	80	8.4	.	.	.	.	6174.2	.	78400	.
5053	24JUN83	6600	33	8.1	90	8.4	.	.	.	.	6174.3	.	17400	.
5054	25JUN83	6600	33	8.2	80	8.1	.	.	.	.	6173.8	.	16500	.
5055	26JUN83	5200	32	7.9	90	8.0	.	.	.	.	6173.7	.	31800	.
5056	27JUN83	6000	32	8.0	90	8.1	.	.	.	.	6173.9	.	32300	.
5057	28JUN83	5300	31	7.9	90	8.0	.	.	.	.	6174.7	.	17700	.
5058	29JUN83	5200	33	7.9	90	8.2	.	.	.	.	6174.0	.	33500	.
5059	30JUN83	6250	27	7.9	90	8.0	.	.	.	.	6173.4	.	34900	.
5060	01JUL83	6350	32	7.9	90	8.3	.	.	.	.	6175.0	.	16600	.
5061	02JUL83	5800	34	7.8	90	8.0	.	.	.	.	6174.9	.	31700	.
5062	03JUL83	5900	31	7.8	90	8.1	.	.	.	.	6174.8	.	31700	.
5063	04JUL83	5700	34	7.8	90	8.0	.	.	.	.	6174.8	.	30400	.
5064	05JUL83	5700	33	7.9	90	8.0	.	.	.	.	6174.3	.	35900	.
5065	06JUL83	5750	34	8.1	90	8.0	.	.	.	.	6174.0	.	34700	.
5066	07JUL83	5700	34	8.3	100	5.4	.	.	.	.	6173.9	.	34200	.

RIO BLANCO OIL SHALE COMPANY
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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5067	08JUL83	5650	34	7.8	125	.	.	.	.	.	6173.7	.	35300	.
5068	09JUL83	5700	34	7.9	100	.	.	.	.	.	6174.0	.	30400	.
5069	10JUL83	5700	34	8.0	100	.	.	.	.	.	6174.3	.	31800	.
5070	11JUL83	5600	34	7.9	110	.	.	.	.	.	6174.6	.	32900	.
5071	12JUL83	5700	34	7.9	100	.	.	.	.	.	6173.7	.	46000	.
5072	13JUL83	5700	33	7.9	100	.	.	.	.	.	6173.2	.	35300	.
5073	14JUL83	5900	33	8.2	100	.	.	.	.	.	6173.8	.	35700	.
5074	15JUL83	5750	33	8.2	100	.	.	.	.	.	6173.8	.	.	.
5075	16JUL83	5700	35	8.0	100	.	.	.	.	.	6174.2	.	.	.
5076	17JUL83	5800	34	8.1	100	.	.	.	.	.	6174.5	.	.	.
5077	18JUL83	5650	35	8.2	100	.	.	.	.	.	6173.7	.	.	.
5078	19JUL83	6200	35	8.1	100	.	.	.	.	.	6174.6	.	.	.
5079	20JUL83	5950	35	8.1	100	8.3	.	.	.	.	6173.9	.	.	.
5080	21JUL83	6300	35	8.0	100	8.4	.	.	.	.	6174.2	.	238800	.
5081	22JUL83	6300	35	7.9	100	8.4	.	.	.	.	6174.5	.	39800	.
5082	23JUL83	6250	34	8.3	100	8.2	.	.	.	.	6173.7	.	37400	.
5083	24JUL83	6250	35	8.3	100	8.4	.	.	.	.	6174.2	.	36900	.
5084	25JUL83	6250	37	8.0	100	8.2	.	.	.	.	6174.3	.	40400	.
5085	26JUL83	6150	36	8.1	100	8.4	.	.	.	.	6173.9	.	47000	.
5086	27JUL83	6250	37	8.1	100	8.6	.	.	.	.	6173.9	.	49700	.
5087	29JUL83	6400	38	8.1	100	8.4	.	.	.	.	6173.6	.	52900	.
5088	30JUL83	6400	37	7.8	100	8.6	.	.	.	.	6174.0	.	41700	.
5089	31JUL83	6600	38	8.0	125	8.5	.	.	.	.	6174.8	.	40200	.
5090	01AUG83	6500	39	8.1	100	8.4	.	.	.	.	6173.6	.	55600	.
5091	02AUG83	6600	37	8.1	125	8.5	.	.	.	.	6174.1	.	48900	.
5092	03AUG83	6500	38	8.0	100	8.6	.	.	.	.	6174.2	.	49600	.
5093	04AUG83	6600	38	8.1	100	8.6	.	.	.	.	6174.2	.	47700	.
5094	05AUG83	6600	38	8.1	100	8.6	.	.	.	.	6174.6	.	32500	.
5095	06AUG83	6650	38	8.1	100	8.7	.	.	.	.	6174.7	.	35800	.
5096	07AUG83	6650	38	8.1	100	8.6	.	.	.	.	6174.5	.	34600	.
5097	08AUG83	6700	39	7.8	100	8.6	.	.	.	.	6173.2	.	40100	.
5098	09AUG83	6400	40	8.1	100	8.7	.	.	.	.	6174.0	.	52100	.
5099	10AUG83	6600	39	8.0	100	.	.	.	.	.	6173.4	.	66500	.
5100	11AUG83	.	.	.	.	.	.	.	.	.	6173.6	.	48900	.
5101	12AUG83	6800	41	8.1	100	8.8	.	.	.	.	6173.7	.	49200	.
5102	13AUG83	6700	39	8.1	100	8.8	.	.	.	.	6173.8	.	49300	.
5103	14AUG83	6550	40	8.0	100	8.8	.	.	.	.	6173.1	.	56800	.
5104	15AUG83	6550	40	7.8	100	8.7	.	.	.	.	6174.3	.	41200	.
5105	16AUG83	6950	40	8.1	100	8.8	.	.	.	.	6173.8	.	54100	.
5106	17AUG83	6950	40	8.1	100	8.8	.	.	.	.	6174.0	.	55600	.
5107	18AUG83	6350	40	8.2	100	9.0	.	.	.	.	6174.9	.	24800	.
5108	19AUG83	6400	43	8.2	100	8.9	.	.	.	.	6174.4	.	52200	.
5109	20AUG83	6750	42	8.1	100	9.0	.	.	.	.	6173.5	.	55900	.
5110	21AUG83	6700	44	8.1	100	8.8	.	.	.	.	6174.2	.	53500	.
5111	22AUG83	6500	41	8.1	100	8.7	.	.	.	.	6174.7	.	36800	.
5112	23AUG83	6450	46	8.2	100	8.9	.	.	.	.	6173.7	.	55000	.
5113	24AUG83	6500	46	8.1	100	8.8	.	.	.	.	6174.5	.	43600	.

RIO BLANCO OIL SHALE COMPANY
RETORT ABANDONMENT PROGRAM - ONSITE MONITORING
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STATION LOCATION=RETORT

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FREKD
5114	25AUG83	.	.	.	.	.	.	.	.	.	6173.2	.	61800	.
5115	26AUG83	6700	45	8.1	100	9.0	.	.	.	.	6174.2	.	53800	.
5116	27AUG83	6900	44	8.1	100	8.9	.	.	.	.	6174.2	.	51200	.
5117	28AUG83	6700	44	8.2	100	8.7	.	.	.	.	6174.2	.	52600	.
5118	29AUG83	6800	46	8.2	100	8.8	.	.	.	.	6174.2	.	52700	.
5119	30AUG83	6550	44	8.2	100	8.7	.	.	.	.	6174.8	.	38700	.
5120	31AUG83	6550	44	8.1	100	8.7	.	.	.	.	6174.4	.	56400	.
5121	01SEP83	6550	45	8.2	100	8.8	.	.	.	.	6174.1	.	55700	.
5122	02SEP83	6600	44	8.1	110	8.7	.	.	.	.	6174.3	.	42000	.
5123	03SEP83	6700	45	8.1	90	8.8	.	.	.	.	6173.1	.	71700	.
5124	04SEP83	6600	46	8.2	100	8.8	.	.	.	.	6173.5	.	49200	.
5125	05SEP83	6600	45	8.2	90	8.8	.	.	.	.	6173.9	.	50800	.
5126	06SEP83	6550	46	8.3	90	8.7	.	.	.	.	6173.8	.	52700	.
5127	07SEP83	6550	46	8.3	90	8.7	.	.	.	.	6173.0	.	59800	.
5128	08SEP83	6600	46	8.1	90	8.8	.	.	.	.	6175.1	.	40100	.
5129	09SEP83	6650	45	8.1	80	8.7	.	.	.	.	6175.0	.	58100	.
5130	10SEP83	6500	49	8.1	80	8.8	.	.	.	.	6175.0	.	64100	.
5131	11SEP83	6550	46	8.1	80	8.7	.	.	.	.	6174.0	.	56000	.
5132	12SEP83	6550	49	8.1	80	8.7	.	.	.	.	6173.0	.	52500	.
5133	13SEP83	6350	49	8.2	75	8.7	.	.	.	.	6174.0	.	51300	.
5134	14SEP83	6450	49	8.3	75	8.8	.	.	.	.	6174.0	.	52900	.
5135	15SEP83	6400	49	8.3	75	8.8	.	.	.	.	6174.0	.	58100	.
5136	16SEP83	6400	46	8.1	75	8.8	.	.	.	.	6173.1	.	61300	.
5137	17SEP83	6700	44	8.2	75	8.8	.	.	.	.	6174.9	.	41400	.
5138	18SEP83	6450	46	8.2	75	8.8	.	.	.	.	6175.0	.	55300	.
5139	19SEP83	6600	47	8.0	75	8.9	.	.	.	.	6174.1	.	71800	.
5140	20SEP83	6500	48	8.0	75	8.8	.	.	.	.	6173.6	.	54500	.
5141	21SEP83	6500	44	8.2	75	8.9	.	.	.	.	6173.6	.	53500	.
5142	22SEP83	6350	49	8.3	75	8.9	.	.	.	.	6173.6	.	53600	.
5143	23SEP83	6600	48	8.4	75	8.9	.	.	.	.	6175.0	.	46000	.
5144	24SEP83	6500	48	8.2	75	8.9	.	.	.	.	6174.9	.	57000	.
5145	25SEP83	6600	47	8.3	75	8.9	.	.	.	.	6173.9	.	72300	.
5146	26SEP83	6500	47	8.3	75	8.9	.	.	.	.	6174.9	.	40600	.
5147	27SEP83	6600	49	8.3	75	9.0	.	.	.	.	6175.0	.	57200	.
5148	28SEP83	6650	48	8.1	75	8.9	.	.	.	.	6174.3	.	55600	.
5149	29SEP83	6500	49	8.3	75	8.9	.	.	.	.	6173.2	.	70500	.
5150	30SEP83	6200	47	8.4	75	9.0	.	.	.	.	6173.7	.	65500	.
5151	010CT83	6300	47	8.1	75	8.9	.	.	.	.	6175.0	.	44500	.
5152	020CT83	6200	48	8.3	75	8.9	.	.	.	.	6174.1	.	64000	.
5153	030CT83	6100	49	8.3	75	8.9	.	.	.	.	6173.9	.	55500	.
5154	040CT83	6250	48	8.3	75	8.8	.	.	.	.	6173.9	.	54800	.
5155	050CT83	6000	49	8.2	75	8.9	.	.	.	.	6173.3	.	51150	.
5156	060CT83	6000	49	8.3	75	9.0	.	.	.	.	6173.8	.	50600	.
5157	070CT83	6050	49	8.3	75	8.9	.	.	.	.	6173.7	.	54500	.
5158	080CT83	6000	48	8.2	75	8.9	.	.	.	.	6173.8	.	51900	.
5159	090CT83	6050	49	8.4	75	8.9	.	.	.	.	6173.5	.	53700	.
5160	100CT83	5950	49	8.3	75	8.8	.	.	.	.	6173.6	.	51400	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5161	11OCT83	5950	49	8.4	75.0	8.9	.	.	.	.	6173.6	.	52500	.
5162	12OCT83	5950	48	8.3	75.0	8.8	.	.	.	.	6173.2	.	54200	.
5163	13OCT83	6000	47	8.2	75.0	8.9	.	.	.	.	6173.6	.	51600	.
5164	14OCT83	6050	47	8.3	75.0	9.0	.	.	.	.	6173.7	.	53600	.
5165	15OCT83	6100	48	8.4	75.0	8.8	.	.	.	.	6175.1	.	34000	.
5166	16OCT83	6000	48	8.3	75.0	8.8	.	.	.	.	6174.9	.	52900	.
5167	17OCT83	6100	48	8.3	75.0	8.7	.	.	.	.	6174.5	.	53100	.
5168	18OCT83	6100	47	8.3	75.0	8.8	.	.	.	.	6174.3	.	55500	.
5169	19OCT83	6000	48	8.3	75.0	8.7	.	.	.	.	6173.3	.	54200	.
5170	20OCT83	6000	47	8.3	75.0	8.7	.	.	.	.	6174.5	.	37400	.
5171	21OCT83	6350	48	8.3	75.0	8.8	.	.	.	.	6174.3	.	50900	.
5172	22OCT83	5900	49	8.2	75.0	8.7	.	.	.	.	6174.3	.	37200	.
5173	23OCT83	6050	49	8.4	75.0	8.7	.	.	.	.	6174.3	.	37500	.
5174	24OCT83	6050	47	8.3	75.0	8.7	.	.	.	.	6174.4	.	36800	.
5175	25OCT83	6000	48	8.2	75.0	8.8	.	.	.	.	6174.0	.	49900	.
5176	26OCT83	6050	48	8.3	75.0	8.8	.	.	.	.	6173.2	.	52700	.
5177	27OCT83	6000	47	8.3	75.0	8.7	.	.	.	.	6174.2	.	38400	.
5178	28OCT83	6250	47	8.3	75.0	8.8	.	.	.	.	6173.8	.	36500	.
5179	29OCT83	5950	49	8.5	75.0	8.7	.	.	.	.	6174.4	.	51600	.
5180	30OCT83	6150	48	8.2	75.0	8.7	.	.	.	.	6174.5	.	48400	.
5181	31OCT83	6250	48	8.5	75.0	8.8	.	.	.	.	6174.3	.	49900	.
5182	01NOV83	6050	48	8.4	75.0	8.8	.	.	.	.	6173.9	.	48500	.
5183	02NOV83	6000	47	8.3	75.0	8.8	.	.	.	.	6174.2	.	43300	.
5184	03NOV83	6050	48	8.3	75.0	8.7	.	.	.	.	6164.6	.	126300	.
5185	04NOV83	6200	48	8.3	75.0	8.7	.	.	.	.	6164.3	.	52300	.
5186	05NOV83	6100	48	8.1	75.0	8.7	.	.	.	.	6164.0	.	47400	.
5187	06NOV83	6250	48	8.0	75.0	8.8	.	.	.	.	6163.6	.	50600	.
5188	07NOV83	6150	48	8.0	75.0	8.7	.	.	.	.	6163.4	.	47400	.
5189	08NOV83	6350	48	8.1	75.0	8.6	.	.	.	.	6163.1	.	46400	.
5190	09NOV83	6250	48	8.2	75.0	8.7	.	.	.	.	6163.3	.	44000	.
5191	10NOV83	6300	47	8.0	75.0	8.7	.	.	.	.	6164.6	.	36100	.
5192	11NOV83	6150	47	8.0	75.0	8.7	.	.	.	.	6163.7	.	50600	.
5193	12NOV83	6150	48	8.0	75.0	8.8	.	.	.	.	6164.5	.	36600	.
5194	13NOV83	6250	48	8.0	75.0	8.7	.	.	.	.	6163.4	.	50100	.
5195	14NOV83	6000	47	8.1	75.0	8.8	.	.	.	.	6165.0	.	29600	.
5196	15NOV83	6000	48	8.0	75.0	8.8	.	.	.	.	6165.0	.	34000	.
5197	16NOV83	6150	47	8.2	75.0	8.7	.	.	.	.	6164.6	.	47600	.
5198	17NOV83	6000	47	8.2	75.0	8.8	.	.	.	.	6164.1	.	47700	.
5199	02DEC83	5500	47	7.9	11.0	8.8	.	.	.	.	6153.8	.	139004	.
5200	03DEC83	6400	47	7.9	12.0	8.7	.	.	.	.	6153.1	.	.	.
5201	04DEC83	6400	47	8.1	11.0	8.7	.	.	.	.	6154.3	.	.	.
5202	05DEC83	6400	47	8.1	10.5	8.8	.	.	.	.	6154.5	.	.	.
5203	06DEC83	6300	46	7.9	11.0	8.6	.	.	.	.	6154.8	.	.	.
5204	07DEC83	6300	46	7.9	10.0	8.7	.	.	.	.	6154.5	.	.	.
5205	08DEC83	6300	46	8.0	10.5	8.8	.	.	.	.	6153.6	.	.	.
5206	09DEC83	6250	47	7.9	10.4	8.6	.	.	.	.	6154.4	.	.	.
5207	10DEC83	6400	47	7.8	10.0	8.7	.	.	.	.	6154.6	.	.	.

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5208	11DEC83	6300	47.0	7.7	10.2	8.6	.	.	.	.	6153.7	.	.	.
5209	12DEC83	6400	47.0	8.0	10.1	8.6	.	.	.	.	6154.3	.	.	.
5210	13DEC83	6150	47.0	8.0	10.2	8.6	.	.	.	.	6154.5	.	.	.
5211	14DEC83	6200	47.0	7.9	10.0	8.8	.	.	.	.	6154.3	.	.	.
5212	15DEC83	6050	46.0	7.7	10.0	8.6	.	.	.	.	6153.6	.	.	.
5213	16DEC83	6000	45.0	8.1	10.1	8.4	.	.	.	.	6153.3	.	.	.
5214	17DEC83	6050	45.0	7.8	10.0	8.6	.	.	.	.	6153.5	.	.	.
5215	18DEC83	6000	45.0	7.7	10.2	8.4	.	.	.	.	6154.1	.	.	.
5216	19DEC83	6050	45.0	7.7	10.0	8.4	.	.	.	.	6154.1	.	.	.
5217	20DEC83	6000	45.0	7.9	10.0	8.5	.	.	.	.	6153.6	.	.	.
5218	21DEC83	6050	45.0	7.9	10.1	8.4	.	.	.	.	6153.7	.	.	.
5219	22DEC83	6000	45.0	7.9	10.0	8.4	.	.	.	.	6153.5	.	.	.
5220	23DEC83	5850	45.0	8.4	10.1	8.4	.	.	.	.	6153.2	.	.	.
5221	24DEC83	6000	45.0	8.0	10.0	8.4	.	.	.	.	6153.9	.	.	.
5222	25DEC83	6100	45.0	8.1	10.1	8.4	.	.	.	.	6154.0	.	.	.
5223	26DEC83	6100	45.0	8.0	10.0	8.4	.	.	.	.	6154.4	.	.	.
5224	27DEC83	6100	45.0	8.1	10.0	8.3	.	.	.	.	6153.5	.	.	.
5225	28DEC83	6000	44.0	8.0	10.0	8.4	.	.	.	.	6153.5	.	.	.
5226	29DEC83	5900	44.0	8.0	10.0	8.4	.	.	.	.	6153.9	.	.	.
5227	30DEC83	5900	4.5	7.8	10.0	8.6	.	.	.	.	6153.5	.	.	.
5228	31DEC83	5900	4.5	8.0	10.0	8.4	.	.	.	.	6155.0	.	.	.
5229	01JAN84	5900	4.5	8.0	10.1	8.4	.	.	.	.	6153.5	.	44900	.
5230	02JAN84	5900	4.5	8.3	10.0	8.3	.	.	.	.	6152.5	.	31600	.
5231	03JAN84	5800	4.5	7.9	10.0	8.4	.	.	.	.	6152.4	.	45000	.
5232	04JAN84	5900	4.5	8.1	10.0	8.4	.	.	.	.	6152.4	.	44600	.
5233	05JAN84	6000	4.4	7.8	10.0	8.5	.	.	.	.	6155.0	.	33092	.
5234	06JAN84	5900	4.3	7.9	9.9	8.4	.	.	.	.	6153.6	.	46740	.
5235	07JAN84	6000	4.4	7.8	9.8	8.4	.	.	.	.	6153.2	.	38576	.
5236	08JAN84	6000	4.3	7.8	9.5	8.5	.	.	.	.	6154.1	.	28386	.
5237	09JAN84	6000	4.3	7.7	9.6	8.6	.	.	.	.	6154.5	.	34952	.
5238	10JAN84	5900	4.4	7.9	9.2	8.6	.	.	.	.	6154.8	.	35010	.
5239	11JAN84	5800	4.4	8.0	9.2	8.5	.	.	.	.	6154.8	.	36879	.
5240	12JAN84	5900	4.3	8.1	9.2	8.5	.	.	.	.	6154.7	.	36683	.
5241	13JAN84	5850	43.0	7.8	7.8	8.6	.	.	.	.	6154.7	.	36206	.
5242	14JAN84	5900	44.0	7.9	7.4	8.5	.	.	.	.	6153.9	.	39824	.
5243	15JAN84	5900	44.0	7.8	7.4	8.4	.	.	.	.	6154.6	.	31060	.
5244	16JAN84	5850	44.0	7.8	7.4	8.2	.	.	.	.	6154.1	.	39560	.
5245	17JAN84	5850	44.0	7.7	7.6	8.3	.	.	.	.	6153.5	.	38749	.
5246	18JAN84	6000	43.0	7.8	7.4	8.4	.	.	.	.	6154.2	.	36107	.
5247	19JAN84	6000	43.0	7.7	7.3	8.5	.	.	.	.	6154.6	.	34758	.
5248	20JAN84	5900	43.0	7.4	7.3	8.6	.	.	.	195	6154.5	.	35726	.
5249	21JAN84	6000	43.0	7.5	7.3	8.4	.	.	.	190	6154.3	.	25800	.
5250	22JAN84	5950	44.0	7.6	7.5	8.6	.	.	.	180	6154.0	.	38200	.
5251	23JAN84	5950	44.0	7.5	7.2	8.4	.	.	.	190	6153.8	.	36300	.
5252	24JAN84	5850	43.0	7.6	7.0	8.2	.	.	.	200	6155.0	.	28185	.
5253	25JAN84	6000	43.0	7.4	7.6	8.3	.	.	.	195	6154.4	.	38436	.
5254	26JAN84	5950	43.0	7.5	7.2	8.4	.	.	.	210	6154.5	.	34320	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5255	27JAN84	5900	43.0	7.5	7.0	8.3	.	.	.	190	6153.9	.	41859	.
5256	28JAN84	5900	43.0	7.6	6.9	8.5	.	.	.	200	6154.2	.	31511	.
5257	29JAN84	6000	43.0	7.6	7.2	8.4	.	.	.	195	6154.5	.	35776	.
5258	30JAN84	6050	43.0	7.6	7.2	8.3	.	.	.	210	6153.7	.	39890	.
5259	31JAN84	6000	43.0	7.8	7.2	8.3	.	.	.	200	6153.1	.	40263	.
5260	01FEB84	5900	43.0	7.4	7.1	8.3	.	.	.	190	6154.2	.	29164	.
5261	02FEB84	5850	43.0	7.6	7.1	8.6	.	.	.	195	6154.2	.	34457	.
5262	03FEB84	5800	43.0	7.5	7.0	8.4	.	.	.	200	6154.4	.	34245	.
5263	04FEB84	5850	43.0	7.6	7.2	8.2	.	.	.	180	6154.7	.	33800	.
5264	05FEB84	5900	43.0	7.5	7.1	8.1	.	.	.	190	6153.5	.	39953	.
5265	06FEB84	6000	43.0	7.5	7.1	8.0	.	.	.	195	6153.5	.	38245	.
5266	07FEB84	6000	43.0	7.4	7.0	8.4	.	.	.	190	6154.9	.	26231	.
5267	08FEB84	5850	43.0	7.4	7.0	8.3	.	.	.	195	6154.6	.	36604	.
5268	09FEB84	5800	43.0	7.8	7.2	8.4	.	.	.	200	6154.2	.	36916	.
5269	10FEB84	5800	43.0	7.5	7.0	8.3	.	.	.	195	6154.9	.	42895	.
5270	11FEB84	5850	43.0	7.5	6.8	8.3	.	.	.	195	6153.4	.	33297	.
5271	12FEB84	5800	42.0	7.6	6.5	8.2	.	.	.	195	6154.6	.	25226	.
5272	13FEB84	5800	42.0	7.6	6.7	8.4	.	.	.	200	6155.0	.	42645	.
5273	14FEB84	5700	42.0	7.6	6.7	8.4	.	.	.	190	6154.5	.	27590	.
5274	15FEB84	5700	42.0	8.0	6.6	8.2	.	.	.	195	6154.5	.	34093	.
5275	16FEB84	5700	42.0	7.7	6.7	8.3	.	.	.	195	6153.9	.	38100	.
5276	17FEB84	5650	42.0	7.7	7.2	8.4	.	.	.	190	6154.7	.	27625	.
5277	18FEB84	5650	42.0	7.6	6.7	8.4	.	.	.	195	6154.7	.	25153	.
5278	19FEB84	5650	42.0	7.6	6.6	8.3	.	.	.	190	6154.5	.	23271	.
5279	20FEB84	5600	42.0	8.0	6.7	8.4	.	.	.	195	6154.6	.	25926	.
5280	21FEB84	5500	41.0	7.7	7.0	8.4	.	.	.	195	6154.6	.	33045	.
5281	22FEB84	5550	42.0	7.7	7.1	8.3	.	.	.	200	6155.0	.	31104	.
5282	23FEB84	5500	42.0	7.6	6.9	8.8	.	.	.	180	6155.0	.	32790	.
5283	24FEB84	5600	42.0	7.7	6.8	8.8	.	.	.	195	6154.8	.	34852	.
5284	25FEB84	5550	42.0	7.7	7.0	8.6	.	.	.	190	6154.6	.	34911	.
5285	26FEB84	5500	42.0	7.6	7.0	8.4	.	.	.	200	6154.8	.	31431	.
5286	27FEB84	5450	42.0	7.6	7.0	8.4	.	.	.	195	6153.4	.	37568	.
5287	28FEB84	5500	42.0	7.7	7.0	8.4	.	.	.	190	6153.5	.	32193	.
5288	29FEB84	5550	41.0	7.8	7.1	8.8	.	.	.	190	6153.3	.	34313	.
5289	01MAR84	5550	41.0	7.9	7.0	7.1	.	.	.	.	6154.0	.	32782	.
5290	02MAR84	5450	41.5	8.0	8.0	7.9	.	.	.	.	6153.1	.	35011	.
5291	03MAR84	5400	41.5	8.0	7.8	7.9	.	.	.	.	6153.4	.	34192	.
5292	04MAR84	5500	.	8.0	7.8	7.4	.	.	.	.	6154.6	.	26213	.
5293	05MAR84	5400	.	8.0	8.0	7.4	.	.	.	.	6154.9	.	32193	.
5294	06MAR84	5450	41.0	7.7	8.4	6.8	.	.	.	.	6155.0	.	31733	.
5295	07MAR84	5350	40.5	7.6	8.2	8.6	.	.	.	.	6154.6	.	32109	.
5296	08MAR84	5400	40.5	7.7	7.6	8.0	.	.	0.3	200	6153.5	.	44452	.
5297	09MAR84	5400	41.0	7.7	7.6	7.9	.	.	.	.	6153.3	.	34539	.
5298	10MAR84	5350	41.5	7.8	7.4	7.4	.	.	.	.	6154.0	.	34817	.
5299	11MAR84	5400	41.0	7.8	7.3	7.6	.	.	.	.	6153.7	.	27242	.
5300	12MAR84	5500	40.0	7.7	7.2	7.9	.	.	.	.	6154.7	.	32856	.
5301	13MAR84	5450	40.2	7.8	8.4	4.8	.	.	.	.	6154.7	.	33297	.

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5302	14MAR84	.	40.2	7.7	7.6	5.8	.	.	.	180	6154.6	.	34885	.
5303	15MAR84	.	40.2	7.8	7.4	6.0	.	.	.	.	6153.1	.	31954	.
5304	16MAR84	5350	40.5	8.0	8.8	5.4	.	.	.	.	6152.7	.	32226	.
5305	17MAR84	5400	41.0	7.9	8.4	6.2	.	.	.	.	6153.9	.	44640	.
5306	18MAR84	5250	41.0	8.0	8.4	6.4	.	.	.	.	6153.7	.	34704	.
5307	19MAR84	5400	40.0	7.9	7.8	6.4	.	.	.	.	6153.7	.	37138	.
5308	20MAR84	5350	41.0	7.8	8.6	6.5	.	.	.	.	6153.1	.	37314	.
5309	21MAR84	5450	40.0	7.8	8.8	6.4	.	.	.	.	6154.0	.	32866	.
5310	22MAR84	5300	40.0	7.9	9.0	6.8	.	.	0.2	190	6154.6	.	32612	.
5311	23MAR84	5300	40.0	7.7	8.4	5.6	.	.	.	.	6154.5	.	36822	.
5312	24MAR84	5400	40.5	7.9	10.0	5.4	.	.	.	.	6154.7	.	36600	.
5313	25MAR84	5500	40.5	7.9	12.0	6.5	.	.	.	.	6154.8	.	35649	.
5314	26MAR84	5400	40.5	8.0	12.0	7.2	.	.	.	.	6154.8	.	38294	.
5315	27MAR84	5300	39.5	7.9	10.0	7.0	.	.	.	.	6154.8	.	36846	.
5316	28MAR84	5250	40.0	7.6	10.2	7.2	.	.	.	.	6154.9	.	26434	.
5317	29MAR84	5250	40.0	7.6	10.0	6.0	.	480	0.2	190	6153.7	.	46067	.
5318	30MAR84	5150	40.0	7.6	10.1	7.5	.	.	.	.	6153.8	.	35539	.
5319	31MAR84	.	.	.	.	.	.	.	.	.	6154.5	.	35304	.
5320	01APR84	5300	40.0	8.0	11.0	4.6	.	.	.	.	6153.2	.	45339	.
5321	02APR84	5200	40.0	8.0	12.0	5.6	.	.	.	.	6154.1	.	34999	.
5322	03APR84	5200	40.0	8.0	11.0	7.4	.	.	.	.	6153.8	.	41984	.
5323	04APR84	5200	40.0	7.8	12.0	7.8	.	.	.	.	6154.0	.	35198	.
5324	05APR84	5150	40.0	7.8	9.9	5.4	.	340	0.2	180	6153.8	.	38880	.
5325	06APR84	5150	40.0	8.2	10.2	6.5	.	.	.	.	6153.0	.	35826	.
5326	07APR84	5150	40.0	8.1	10.2	7.4	.	.	.	.	6153.0	.	36161	.
5327	08APR84	5200	40.0	8.1	10.2	8.6	.	.	.	.	6153.8	.	44966	.
5328	09APR84	5300	40.0	8.0	10.2	4.4	.	.	.	.	6153.0	.	34731	.
5329	10APR84	5150	40.0	7.8	5.6	5.6	.	.	.	.	6153.8	.	49197	.
5330	11APR84	5100	39.8	7.8	5.0	6.4	.	.	.	.	6154.2	.	35068	.
5331	12APR84	5200	39.0	7.8	5.2	6.6	.	350	0.2	175	6154.2	.	38995	.
5332	13APR84	5150	39.0	7.7	5.4	5.0	.	.	.	.	6154.2	.	37529	.
5333	14APR84	5100	39.5	8.0	3.8	5.2	.	.	.	.	6154.4	.	36124	.
5334	15APR84	5050	39.5	7.9	3.9	5.8	.	.	.	.	6153.5	.	45068	.
5335	16APR84	5050	39.5	7.8	3.9	6.5	.	.	.	.	6154.7	.	31462	.
5336	17APR84	5100	39.5	7.6	4.7	8.2	.	.	.	.	6154.5	.	40889	.
5337	18APR84	5000	39.0	7.3	4.3	5.2	.	.	.	.	6153.6	.	48540	.
5338	19APR84	5000	39.0	7.1	4.7	4.8	.	390	0.2	175	6153.7	.	40823	.
5339	20APR84	4900	38.0	7.6	4.8	8.4	.	.	.	.	6154.3	.	37224	.
5340	21APR84	4800	39.0	8.1	4.2	6.5	.	.	.	.	6154.7	.	36571	.
5341	22APR84	4800	38.0	8.0	4.3	8.0	.	.	.	.	6154.0	.	44468	.
5342	23APR84	5000	39.0	8.0	4.5	7.8	.	.	.	.	6153.7	.	43304	.
5343	24APR84	4900	38.0	7.9	4.8	7.7	.	.	.	.	6154.6	.	35073	.
5344	25APR84	4800	39.0	7.8	7.4	6.4	.	.	.	.	6153.6	.	49331	.
5345	26APR84	4850	39.0	8.3	7.4	5.0	.	410	0.2	190	6154.1	.	37180	.
5346	27APR84	5000	39.0	8.1	6.8	5.6	.	.	.	.	6154.2	.	41341	.
5347	28APR84	4900	39.0	8.1	6.4	6.2	.	.	.	.	6154.1	.	43426	.
5348	29APR84	4800	39.0	8.0	6.0	6.2	.	.	.	.	6154.8	.	36833	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5349	30APR84	4850	39.0	7.9	5.6	7.2	.	.	.	.	6154.6	.	55331	.
5350	01MAY84	4800	38.5	7.7	3.8	7.8	.	.	.	.	6154.1	.	45325	.
5351	02MAY84	4750	38.5	7.8	3.9	6.8	.	.	.	.	6154.8	.	45381	.
5352	03MAY84	4700	38.5	7.8	3.4	8.6	.	400	0.3	210	6154.8	.	44268	.
5353	04MAY84	4850	39.0	7.8	3.8	8.8	.	.	.	.	6154.0	.	56195	.
5354	05MAY84	4850	39.0	7.9	3.8	8.8	.	.	.	.	6154.7	.	34801	.
5355	06MAY84	4800	38.0	7.9	4.1	8.6	.	.	.	.	6153.7	.	48042	.
5356	07MAY84	4850	38.0	7.8	4.2	8.8	.	.	.	.	6154.2	.	43610	.
5357	08MAY84	4800	38.5	7.9	4.4	9.2	.	.	.	.	6155.2	.	36236	.
5358	09MAY84	.	.	.	.	.	.	.	.	.	6160.8	.	0	.
5359	10MAY84	.	.	.	.	.	.	.	.	.	6166.0	.	0	.
5360	11MAY84	.	.	.	.	.	.	.	.	.	6170.5	.	0	.
5361	12MAY84	.	.	.	.	.	.	.	.	.	6174.9	.	0	.
5362	13MAY84	.	.	.	.	.	.	.	.	.	6179.1	.	0	.
5363	14MAY84	.	.	.	.	.	.	.	.	.	6183.2	.	0	.
5364	15MAY84	.	.	.	.	.	.	.	.	.	6187.0	.	0	.
5365	16MAY84	.	.	.	.	.	.	.	.	.	6190.6	.	0	.
5366	17MAY84	.	.	.	.	.	.	.	.	.	6193.9	.	0	.
5367	18MAY84	.	.	.	.	.	.	.	.	.	6197.4	.	0	.
5368	19MAY84	.	.	.	.	.	.	.	.	.	6201.3	.	0	.
5369	20MAY84	.	.	.	.	.	.	.	.	.	6205.2	.	0	.
5370	21MAY84	.	.	.	.	.	.	.	.	.	6209.4	.	0	.
5371	22MAY84	.	.	.	.	.	.	.	.	.	6213.4	.	0	.
5372	23MAY84	.	.	.	.	.	.	.	.	.	6217.6	.	0	.
5373	24MAY84	.	.	.	.	.	.	.	.	.	6223.2	.	0	.
5374	25MAY84	.	.	.	.	.	.	.	.	.	6229.3	.	0	.
5375	26MAY84	.	.	.	.	.	.	.	.	.	6236.1	.	0	.
5376	27MAY84	.	.	.	.	.	.	.	.	.	6242.0	.	0	.
5377	28MAY84	.	.	.	.	.	.	.	.	.	6248.4	.	0	.
5378	29MAY84	.	.	.	.	.	.	.	.	.	6253.4	.	0	.
5379	30MAY84	.	.	.	.	.	.	.	.	.	6259.4	.	0	.
5380	31MAY84	.	.	.	.	.	.	.	.	.	6265.3	.	0	.
5381	01JUN84	.	.	.	.	.	.	.	.	.	6270.2	.	0	.
5382	02JUN84	.	.	.	.	.	.	.	.	.	6276.0	.	0	.
5383	03JUN84	.	.	.	.	.	.	.	.	.	6281.7	.	0	.
5384	04JUN84	.	.	.	.	.	.	.	.	.	6287.3	.	0	.
5385	05JUN84	.	.	.	.	.	.	.	.	.	6293.1	.	0	.
5386	06JUN84	.	.	.	.	.	.	.	.	.	6300.8	.	0	.
5387	07JUN84	.	.	.	.	.	.	.	.	.	6323.2	.	0	.
5388	08JUN84	.	.	.	.	.	.	.	.	.	6336.2	.	0	.
5389	09JUN84	.	.	.	.	.	.	.	.	.	6351.7	.	0	.
5390	10JUN84	.	.	.	.	.	.	.	.	.	6365.2	.	0	.
5391	11JUN84	.	.	.	.	.	.	.	.	.	6377.6	.	0	.
5392	12JUN84	.	.	.	.	.	.	.	.	.	6402.8	.	0	.
5393	13JUN84	.	.	.	.	.	.	.	.	.	6416.1	.	0	.
5394	14JUN84	.	.	.	.	.	.	.	.	.	6428.9	.	0	.
5395	15JUN84	.	.	.	.	.	.	.	.	.	6440.5	.	0	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMw	TGP	FRBPD
5396	16JUN84	4150	.	8.3	8.0	10.1	.	.	.	.	6445.3	.	31484	.
5397	17JUN84	4150	34.2	8.2	4.3	10.2	.	.	.	.	6455.5	.	0	.
5398	18JUN84	4200	34.2	8.0	4.0	10.2	.	.	.	.	6458.9	.	20208	.
5399	19JUN84	4250	34.0	8.0	4.5	10.2	.	480	0.2	170	6468.1	.	51431	.
5400	20JUN84	.	.	.	.	.	.	.	.	.	6479.5	.	0	.
5401	21JUN84	.	.	.	.	.	.	.	.	.	6492.4	.	8557	.
5402	22JUN84	.	.	.	.	.	.	.	.	.	6514.3	.	0	.
5403	23JUN84	.	.	.	.	.	.	.	.	.	6535.1	.	96889	.
5404	24JUN84	.	.	.	.	.	.	.	.	.	6552.4	.	68549	.
5405	25JUN84	.	.	.	.	.	.	.	.	.	6558.2	.	135954	.
5406	26JUN84	4889	34.0	8.3	6.6	7.8	.	650	0.2	105	6566.3	.	12978	.
5407	27JUN84	.	.	.	.	.	.	.	.	.	6572.0	.	19800	.
5408	28JUN84	.	.	.	.	.	.	.	.	.	6579.0	.	29200	.
5409	29JUN84	.	.	.	.	.	.	.	.	.	6584.6	.	35700	.
5410	30JUN84	.	.	.	.	.	.	.	.	.	6590.5	.	47100	.
5411	01JUL84	5163	34.0	8.3	8.2	5.6	.	630	0.2	.	6596.8	.	10500	.
5412	02JUL84	.	.	.	.	.	.	.	.	.	6600.8	.	37300	.
5413	03JUL84	.	.	.	.	.	.	.	.	.	6605.6	.	5200	.
5414	04JUL84	.	.	.	.	.	.	.	.	.	6611.1	.	5000	.
5415	05JUL84	.	.	.	.	.	.	.	.	.	6614.5	.	3500	.
5416	06JUL84	5479	28.5	8.2	6.6	6.2	.	780	.	118	6618.0	.	2600	.
5417	07JUL84	.	.	.	.	.	.	.	.	.	6623.8	.	16500	.
5418	08JUL84	.	.	.	.	.	.	.	.	.	6627.8	.	0	.
5419	09JUL84	.	.	.	.	.	.	.	.	.	6631.2	.	0	.
5420	10JUL84	.	.	.	.	.	.	.	.	.	6634.2	.	0	.
5421	11JUL84	5375	.	8.2	6.4	6.2	.	660	.	148	6637.7	.	0	.
5422	12JUL84	.	.	.	.	.	.	.	.	.	6639.9	.	1800	.
5423	13JUL84	.	.	.	.	.	.	.	.	.	6642.0	.	0	.
5424	14JUL84	.	.	.	.	.	.	.	.	.	6643.5	.	0	.
5425	15JUL84	.	.	.	.	.	.	.	.	.	6645.8	.	0	.
5426	16JUL84	5664	.	8.4	10.1	6.4	165	810	0.3	148	6648.3	.	0	.
5427	17JUL84	.	.	.	.	.	.	.	.	.	6650.2	.	1714	.
5428	18JUL84	.	.	.	.	.	.	.	.	.	6651.8	.	0	.
5429	19JUL84	.	.	.	.	.	.	.	.	.	6653.3	.	0	.
5430	20JUL84	.	.	.	.	.	.	.	.	.	6655.3	.	0	.
5431	21JUL84	.	.	.	.	.	.	.	.	.	6656.2	.	0	.
5432	22JUL84	.	.	.	.	.	.	.	.	.	6657.5	.	0	.
5433	23JUL84	.	.	.	.	.	.	.	.	.	6658.5	.	0	.
5434	24JUL84	5508	.	8.3	5.4	6.6	-1	700	0.2	132	6660.7	.	0	.
5435	25JUL84	.	.	.	.	.	.	.	.	.	6662.0	.	3150	.
5436	26JUL84	.	.	.	.	.	.	.	.	.	6662.7	.	0	.
5437	27JUL84	.	.	.	.	.	.	.	.	.	6663.9	.	0	.
5438	28JUL84	.	.	.	.	.	.	.	.	.	6665.0	.	0	.
5439	29JUL84	.	.	.	.	.	.	.	.	.	6665.6	.	0	.
5440	30JUL84	.	.	.	.	.	.	.	.	.	6662.1	.	0	.
5441	31JUL84	.	.	.	.	.	.	.	.	.	6667.3	.	0	.
5442	01AUG84	.	.	.	.	.	.	.	.	.	6668.4	.	0	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MM	TGP	FRBRD
5443	02AUG84	.	.	.	.	.	.	.	.	.	6669.3	.	0	.
5444	03AUG84	.	.	.	.	.	.	.	.	.	6670.1	.	0	.
5445	04AUG84	.	.	.	.	.	.	.	.	.	6671.0	.	0	.
5446	05AUG84	.	.	.	.	.	.	.	.	.	6671.6	.	0	.
5447	06AUG84	.	.	.	.	.	.	.	.	.	6672.9	.	0	.
5448	07AUG84	.	.	.	.	.	.	.	.	.	6673.8	.	0	.
5449	08AUG84	.	.	.	.	.	.	.	.	.	6674.4	.	0	.
5450	09AUG84	.	.	.	.	.	.	.	.	.	6675.3	.	0	.
5451	10AUG84	.	.	.	.	.	.	.	.	.	6675.8	.	0	.
5452	11AUG84	.	.	.	.	.	.	.	.	.	6676.5	.	0	.
5453	12AUG84	.	.	.	.	.	.	.	.	.	6677.2	.	0	.
5454	13AUG84	.	.	.	.	.	.	.	.	.	6677.8	.	0	.
5455	14AUG84	.	.	.	.	.	.	.	.	.	6678.4	.	0	.
5456	15AUG84	.	.	.	.	.	.	.	.	.	6680.9	.	0	.
5457	16AUG84	.	.	.	.	.	.	.	.	.	6679.5	.	9792	.
5458	17AUG84	.	.	.	.	.	.	.	.	.	6680.0	.	0	.
5459	18AUG84	.	.	.	.	.	.	.	.	.	6680.6	.	0	.
5460	19AUG84	.	.	.	.	.	.	.	.	.	6681.3	.	0	.
5461	20AUG84	.	.	.	.	.	.	.	.	.	6682.0	.	0	.
5462	21AUG84	.	.	.	.	.	.	.	.	.	6681.1	.	14200	.
5463	22AUG84	5559	.	8.2	5	7.6	5	540	0.3	140	6681.3	.	42300	.
5464	23AUG84	.	.	.	.	.	.	.	.	.	6683.4	.	14000	.
5465	24AUG84	.	.	.	.	.	.	.	.	.	6683.7	.	0	.
5466	25AUG84	.	.	.	.	.	.	.	.	.	6684.4	.	0	.
5467	26AUG84	.	.	.	.	.	.	.	.	.	6677.9	.	0	.
5468	27AUG84	.	.	.	.	.	.	.	.	.	6684.2	.	0	.
5469	28AUG84	.	.	.	.	.	.	.	.	.	6685.6	.	0	.
5470	29AUG84	.	.	.	.	.	.	.	.	.	6686.2	.	0	.
5471	30AUG84	.	.	.	.	.	.	.	.	.	6686.9	.	0	.
5472	31AUG84	.	.	.	.	.	.	.	.	.	6687.2	.	0	.
5473	01SEP84	.	.	.	.	.	.	.	.	.	6688.1	.	0	.
5474	02SEP84	.	.	.	.	.	.	.	.	.	6688.6	.	0	.
5475	03SEP84	.	.	.	.	.	.	.	.	.	6689.2	.	0	.
5476	04SEP84	.	.	.	.	.	.	.	.	.	6689.7	.	0	.
5477	05SEP84	.	.	.	.	.	.	.	.	.	6690.3	.	0	.
5478	06SEP84	.	.	.	.	.	.	.	.	.	6691.0	.	0	.
5479	07SEP84	.	.	.	.	.	.	.	.	.	6691.3	.	0	.
5480	08SEP84	.	.	.	.	.	.	.	.	.	6691.8	.	0	.
5481	09SEP84	.	.	.	.	.	.	.	.	.	6692.3	.	0	.
5482	10SEP84	.	.	.	.	.	.	.	.	.	6692.8	.	0	.
5483	11SEP84	.	.	.	.	.	.	.	.	.	6693.3	.	0	.
5484	12SEP84	.	.	.	.	.	.	.	.	.	6693.8	.	0	.
5485	13SEP84	.	.	.	.	.	.	.	.	.	6694.2	.	0	.
5486	14SEP84	.	.	.	.	.	.	.	.	.	6694.6	.	0	.
5487	15SEP84	.	.	.	.	.	.	.	.	.	6695.2	.	0	.
5488	16SEP84	.	.	.	.	.	.	.	.	.	6695.5	.	0	.
5489	17SEP84	.	.	.	.	.	.	.	.	.	6695.7	.	0	.

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5490	18SEP84	.	.	.	.	.	.	.	.	.	6696.1	.	0	.
5491	19SEP84	.	.	.	.	.	.	.	.	.	6696.5	.	0	.
5492	20SEP84	.	.	.	.	.	.	.	.	.	6697.1	.	0	.
5493	21SEP84	.	.	.	.	.	.	.	.	.	6697.7	.	0	.
5494	22SEP84	.	.	.	.	.	.	.	.	.	6698.0	.	0	.
5495	23SEP84	.	.	.	.	.	.	.	.	.	6698.4	.	0	.
5496	24SEP84	.	.	.	.	.	.	.	.	.	6698.8	.	0	.
5497	25SEP84	5761	.	8.1	7.2	6.2	5	600	0.4	122	6693.5	.	53800	.
5498	26SEP84	5652	32.7	8.4	7.2	6.2	5	560	0.4	110	6698.8	.	4500	.
5499	27SEP84	5532	.	8.9	6.8	5.5	5	660	0.4	100	6699.2	.	0	.
5500	28SEP84	.	.	.	.	.	.	.	.	.	6697.7	.	59200	.
5501	29SEP84	.	.	.	.	.	.	.	.	.	6699.9	.	0	.
5502	30SEP84	.	.	.	.	.	.	.	.	.	6700.4	.	0	.
5503	01OCT84	.	.	.	.	.	.	.	.	.	6700.8	.	0	.
5504	02OCT84	.	.	.	.	.	.	.	.	.	6700.9	.	0	.
5505	03OCT84	.	.	.	.	.	.	.	.	.	6701.3	.	0	.
5506	04OCT84	.	.	.	.	.	.	.	.	.	6702.1	.	0	.
5507	05OCT84	.	.	.	.	.	.	.	.	.	6702.1	.	0	.
5508	06OCT84	.	.	.	.	.	.	.	.	.	6702.3	.	0	.
5509	07OCT84	.	.	.	.	.	.	.	.	.	6702.5	.	0	.
5510	08OCT84	.	.	.	.	.	.	.	.	.	6702.8	.	0	.
5511	09OCT84	.	.	.	.	.	.	.	.	.	6703.2	.	0	.
5512	10OCT84	.	.	.	.	.	.	.	.	.	6703.5	.	0	.
5513	11OCT84	.	.	.	.	.	.	.	.	.	6703.9	.	.	.
5514	12OCT84	.	.	.	.	.	.	.	.	.	6704.0	.	.	.
5515	13OCT84	.	.	.	.	.	.	.	.	.	6704.1	.	0	.
5516	14OCT84	.	.	.	.	.	.	.	.	.	6704.7	.	0	.
5517	15OCT84	.	.	.	.	.	.	.	.	.	6705.0	.	0	.
5518	16OCT84	.	.	.	.	.	.	.	.	.	6705.1	.	0	.
5519	17OCT84	.	.	.	.	.	.	.	.	.	6705.4	.	0	.
5520	18OCT84	.	.	.	.	.	.	.	.	.	6705.5	.	0	.
5521	19OCT84	.	.	.	.	.	.	.	.	.	6705.9	.	0	.
5522	20OCT84	.	.	.	.	.	.	.	.	.	6706.1	.	0	.
5523	21OCT84	.	.	.	.	.	.	.	.	.	6706.4	.	0	.
5524	22OCT84	.	.	.	.	.	.	.	.	.	6706.4	.	0	.
5525	23OCT84	.	.	.	.	.	.	.	.	.	6706.5	.	0	.
5526	24OCT84	.	.	.	.	.	.	.	.	.	6706.9	.	0	.
5527	25OCT84	.	.	.	.	.	.	.	.	.	6707.0	.	0	.
5528	26OCT84	.	.	.	.	.	.	.	.	.	6707.4	.	0	.
5529	27OCT84	.	.	.	.	.	.	.	.	.	6707.5	.	0	.
5530	28OCT84	.	.	.	.	.	.	.	.	.	6707.6	.	0	.
5531	29OCT84	.	.	.	.	.	.	.	.	.	6707.8	.	0	.
5532	30OCT84	.	.	.	.	.	.	.	.	.	6707.9	.	0	.
5533	31OCT84	.	.	.	.	.	.	.	.	.	6708.2	.	0	.
5534	01NOV84	.	.	.	.	.	.	.	.	.	6708.0	.	0	.
5535	02NOV84	.	.	.	.	.	.	.	.	.	6708.3	.	0	.
5536	03NOV84	.	.	.	.	.	.	.	.	.	6708.5	.	0	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5537	04NOV84	.	.	.	.	.	.	.	.	.	6708.5	.	0	.
5538	05NOV84	.	.	.	.	.	.	.	.	.	6708.6	.	0	.
5539	06NOV84	.	.	.	.	.	.	.	.	.	6708.9	.	0	.
5540	07NOV84	.	.	.	.	.	.	.	.	.	6709.1	.	0	.
5541	08NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	0	.
5542	09NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	0	.
5543	10NOV84	.	.	.	.	.	.	.	.	.	6709.3	.	0	.
5544	11NOV84	.	.	.	.	.	.	.	.	.	6709.6	.	0	.
5545	12NOV84	.	.	.	.	.	.	.	.	.	6709.8	.	0	.
5546	13NOV84	.	.	.	.	.	.	.	.	.	6710.4	.	0	.
5547	14NOV84	.	.	.	.	.	.	.	.	.	6710.0	.	0	.
5548	15NOV84	.	.	.	.	.	.	.	.	.	6710.1	.	0	.
5549	16NOV84	.	.	.	.	.	.	.	.	.	6709.9	.	0	.
5550	17NOV84	.	.	.	.	.	.	.	.	.	6709.6	.	0	.
5551	18NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	0	.
5552	19NOV84	.	.	.	.	.	.	.	.	.	6709.2	.	0	.
5553	20NOV84	.	.	.	.	.	.	.	.	.	6709.3	.	0	.
5554	21NOV84	.	.	.	.	.	.	.	.	.	6709.3	.	0	.
5555	22NOV84	.	.	.	.	.	.	.	.	.	6709.4	.	0	.
5556	23NOV84	.	.	.	.	.	.	.	.	.	6709.6	.	0	.
5557	24NOV84	.	.	.	.	.	.	.	.	.	6709.9	.	0	.
5558	25NOV84	.	.	.	.	.	.	.	.	.	6710.2	.	0	.
5559	26NOV84	.	.	.	.	.	.	.	.	.	6710.1	.	0	.
5560	27NOV84	.	.	.	.	.	.	.	.	.	6710.2	.	0	.
5561	28NOV84	.	.	.	.	.	.	.	.	.	6710.4	.	0	.
5562	29NOV84	.	.	.	.	.	.	.	.	.	6710.5	.	0	.
5563	30NOV84	.	.	.	.	.	.	.	.	.	6710.5	.	0	.
5564	01DEC84	.	.	.	.	.	.	.	.	.	6710.7	.	0	.
5565	02DEC84	.	.	.	.	.	.	.	.	.	6710.5	.	0	.
5566	03DEC84	.	.	.	.	.	.	.	.	.	6710.6	.	0	.
5567	04DEC84	.	.	.	.	.	.	.	.	.	6710.6	.	0	.
5568	05DEC84	.	.	.	.	.	.	.	.	.	6710.7	.	0	.
5569	06DEC84	.	.	.	.	.	.	.	.	.	6711.0	.	0	.
5570	07DEC84	.	.	.	.	.	.	.	.	.	6711.1	.	0	.
5571	08DEC84	.	.	.	.	.	.	.	.	.	6711.4	.	0	.
5572	09DEC84	.	.	.	.	.	.	.	.	.	6711.3	.	0	.
5573	10DEC84	.	.	.	.	.	.	.	.	.	6711.3	.	0	.
5574	11DEC84	.	.	.	.	.	.	.	.	.	6711.3	.	0	.
5575	12DEC84	.	.	.	.	.	.	.	.	.	6711.5	.	0	.
5576	13DEC84	.	.	.	.	.	.	.	.	.	6711.5	.	0	.
5577	14DEC84	.	.	.	.	.	.	.	.	.	6711.8	.	0	.
5578	15DEC84	.	.	.	.	.	.	.	.	.	6712.1	.	0	.
5579	16DEC84	.	.	.	.	.	.	.	.	.	6712.2	.	0	.
5580	17DEC84	.	.	.	.	.	.	.	.	.	6712.2	.	0	.
5581	18DEC84	.	.	.	.	.	.	.	.	.	6712.3	.	0	.
5582	19DEC84	.	.	.	.	.	.	.	.	.	6712.4	.	0	.
5583	20DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	0	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5584	21DEC84	.	.	.	.	.	.	.	.	.	6712.5	.	0	.
5585	22DEC84	.	.	.	.	.	.	.	.	.	6712.5	.	0	.
5586	23DEC84	.	.	.	.	.	.	.	.	.	6712.7	.	0	.
5587	24DEC84	.	.	.	.	.	.	.	.	.	6712.8	.	0	.
5588	25DEC84	.	.	.	.	.	.	.	.	.	6712.8	.	0	.
5589	26DEC84	.	.	.	.	.	.	.	.	.	6712.9	.	0	.
5590	27DEC84	.	.	.	.	.	.	.	.	.	6713.1	.	0	.
5591	28DEC84	.	.	.	.	.	.	.	.	.	6713.1	.	0	.
5592	29DEC84	.	.	.	.	.	.	.	.	.	6713.1	.	0	.
5593	30DEC84	.	.	.	.	.	.	.	.	.	6713.2	.	0	.
5594	31DEC84	.	.	.	.	.	.	.	.	.	6713.3	.	0	.
5595	01JAN85	.	.	.	.	.	.	.	.	.	6713.2	.	0	.
5596	02JAN85	.	.	.	.	.	.	.	.	.	6713.2	.	0	.
5597	03JAN85	.	.	.	.	.	.	.	.	.	6713.2	.	0	.
5598	04JAN85	.	.	.	.	.	.	.	.	.	6713.3	.	0	.
5599	05JAN85	.	.	.	.	.	.	.	.	.	6713.3	.	0	.
5600	06JAN85	.	.	.	.	.	.	.	.	.	6713.4	.	0	.
5601	07JAN85	.	.	.	.	.	.	.	.	.	6713.5	.	0	.
5602	08JAN85	.	.	.	.	.	.	.	.	.	6713.5	.	0	.
5603	09JAN85	.	.	.	.	.	.	.	.	.	6713.5	.	0	.
5604	10JAN85	.	.	.	.	.	.	.	.	.	6713.4	.	0	.
5605	11JAN85	.	.	.	.	.	.	.	.	.	6713.4	.	0	.
5606	12JAN85	.	.	.	.	.	.	.	.	.	6713.4	.	0	.
5607	13JAN85	.	.	.	.	.	.	.	.	.	6713.3	.	0	.
5608	14JAN85	.	.	.	.	.	.	.	.	.	6713.6	.	0	.
5609	15JAN85	.	.	.	.	.	.	.	.	.	6713.7	.	0	.
5610	16JAN85	.	.	.	.	.	.	.	.	.	6713.6	.	0	.
5611	17JAN85	.	.	.	.	.	.	.	.	.	6713.6	.	0	.
5612	18JAN85	.	.	.	.	.	.	.	.	.	6713.7	.	0	.
5613	19JAN85	.	.	.	.	.	.	.	.	.	6713.7	.	0	.
5614	20JAN85	.	.	.	.	.	.	.	.	.	6713.7	.	0	.
5615	21JAN85	.	.	.	.	.	.	.	.	.	6713.9	.	0	.
5616	22JAN85	.	.	.	.	.	.	.	.	.	6713.8	.	0	.
5617	23JAN85	.	.	.	.	.	.	.	.	.	6713.9	.	0	.
5618	24JAN85	.	.	.	.	.	.	.	.	.	6714.0	.	0	.
5619	25JAN85	.	.	.	.	.	.	.	.	.	6713.9	.	0	.
5620	26JAN85	.	.	.	.	.	.	.	.	.	6713.9	.	0	.
5621	27JAN85	.	.	.	.	.	.	.	.	.	6714.1	.	0	.
5622	28JAN85	.	.	.	.	.	.	.	.	.	6714.2	.	0	.
5623	29JAN85	.	.	.	.	.	.	.	.	.	6714.2	.	0	.
5624	30JAN85	.	.	.	.	.	.	.	.	.	6714.3	.	0	.
5625	31JAN85	.	.	.	.	.	.	.	.	.	6714.3	.	0	.
5626	01FEB85	.	.	.	.	.	.	.	.	.	6714.4	.	0	.
5627	02FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	0	.
5628	03FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	0	.
5629	04FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	0	.
5630	05FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	0	.

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OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5631	06FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	0	.
5632	07FEB85	.	.	.	.	.	.	.	.	.	6714.4	.	0	.
5633	08FEB85	.	.	.	.	.	.	.	.	.	6714.4	.	0	.
5634	09FEB85	.	.	.	.	.	.	.	.	.	6714.5	.	0	.
5635	10FEB85	.	.	.	.	.	.	.	.	.	6714.3	.	0	.
5636	11FEB85	.	.	.	.	.	.	.	.	.	6714.3	.	0	.
5637	12FEB85	.	.	.	.	.	.	.	.	.	6714.4	.	0	.
5638	13FEB85	.	.	.	.	.	.	.	.	.	6714.3	.	0	.
5639	14FEB85	.	.	.	.	.	.	.	.	.	6713.7	.	0	.
5640	15FEB85	.	.	.	.	.	.	.	.	.	6713.7	.	0	.
5641	16MAR85	.	.	.	.	.	.	.	.	.	6715.7	.	0	.
5642	17MAR85	.	.	.	.	.	.	.	.	.	6715.9	.	0	.
5643	18MAR85	.	.	.	.	.	.	.	.	.	6716.1	.	0	.
5644	19MAR85	.	.	.	.	.	.	.	.	.	6716.3	.	0	.
5645	20MAR85	.	.	.	.	.	.	.	.	.	6716.4	.	0	.
5646	21MAR85	.	.	.	.	.	.	.	.	.	6716.6	.	0	.
5647	22MAR85	.	.	.	.	.	.	.	.	.	6716.9	.	0	.
5648	23MAR85	.	.	.	.	.	.	.	.	.	6717.0	.	0	.
5649	24MAR85	.	.	.	.	.	.	.	.	.	6717.3	.	0	.
5650	25MAR85	.	.	.	.	.	.	.	.	.	6717.5	.	0	.
5651	26MAR85	.	.	.	.	.	.	.	.	.	6717.7	.	0	.
5652	27MAR85	.	.	.	.	.	.	.	.	.	6718.1	.	0	.
5653	28MAR85	.	.	.	.	.	.	.	.	.	6718.1	.	0	.
5654	29MAR85	.	.	.	.	.	.	.	.	.	6718.3	.	0	.
5655	30MAR85	.	.	.	.	.	.	.	.	.	6718.2	.	0	.
5656	31MAR85	.	.	.	.	.	.	.	.	.	6718.3	.	0	.

STATION LOCATION=YERPOND

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5657	01MAY84	5004	.	8.9	6.2	12.0	.	230	0.1	180	.	.	.	.
5658	05JUN84	5485	.	8.7	5.0	13.0	-1	270	-0.1	160	.	.	.	.
5659	10JUL84	5508	.	8.7	5.6	14.0	-1	340	.	170	.	.	.	.
5660	22AUG84	7140	.	8.8	2.5	13.0	-1	300	-0.1	160	.	.	.	.
5661	06SEP84	6100	.	8.7	2.6	12.5	-1	370	-0.1	170	.	.	.	.
5662	17OCT84	6254	.	8.8	1.4	14.5	-1	450	-0.1	120	.	.	.	.

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STATION LOCATION=YSWPOND-1

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5663	01MAY84	28952	.	9.6	4.9	11	.	155	0.1	190	.	.	.	.
5664	05JUN84	38148	.	9.6	2.3	14	-1	210	-0.1	180	.	.	.	.
5665	10JUL84	38045	.	9.5	6.0	23	-1	300	.	155	.	.	.	.
5666	22AUG84	31620	.	9.6	-1.0	16	-1	245	-0.1	190	.	.	.	.
5667	06SEP84	48000	.	9.5	1.0	26	-1	560	-0.1	175	.	.	.	.
5668	17OCT84	48760	.	9.5	2.1	32	-1	420	-0.1	175	.	.	.	.

STATION LOCATION=YSWPOND-10

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5669	01MAY84	4226	.	7.7	12.5	17	.	305	0.1	175	.	.	.	.
5670	05JUN84	4937	.	7.9	15.0	20	1	350	-0.1	180	.	.	.	.
5671	10JUL84	5712	.	8.1	17.0	30	-1	415	.	170	.	.	.	.
5672	22AUG84	7140	.	8.4	7.2	29	-1	440	-0.1	180	.	.	.	.
5673	06SEP84	9000	.	8.3	7.4	33	-1	540	-0.1	210	.	.	.	.
5674	17OCT84	10600	.	8.5	-1.0	39	-1	660	-0.1	160	.	.	.	.

STATION LOCATION=YSWPOND-11

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5675	01MAY84	7979	.	8.4	4.9	11.5	.	400	0.1	160	.	.	.	.
5676	05JUN84	9434	.	8.2	4.8	14.0	-1	540	-0.1	125	.	.	.	.
5677	10JUL84	12516	.	8.8	3.7	21.0	-1	610	.	175	.	.	.	.
5678	22AUG84	11220	.	8.9	-1.0	18.5	-1	530	-0.1	170	.	.	.	.
5679	06SEP84	12500	.	8.9	-1.0	21.5	-1	620	-0.1	170	.	.	.	.
5680	17OCT84	13780	.	9.0	-1.0	24.0	-1	800	-0.1	145	.	.	.	.

STATION LOCATION=YSWPOND-12

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5681	01MAY84	4253	.	7.7	13.0	16.5	.	300	0.1	270	.	.	.	.
5682	05JUN84	4991	.	7.6	18.0	19.0	1	350	-0.1	190	.	.	.	.
5683	10JUL84	5916	.	8.2	17.0	29.0	-1	410	.	155	.	.	.	.
5684	22AUG84	8670	.	8.3	7.4	29.0	-1	355	-0.1	185	.	.	.	.
5685	06SEP84	9000	.	8.3	8.0	32.0	-1	540	-0.1	180	.	.	.	.
5686	17OCT84	10070	.	8.5	10.1	39.0	-1	690	-0.1	140	.	.	.	.

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STATION LOCATION=YSWPOND-2

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5687	01MAY84	8188	.	9.2	6.2	6	.	130	-0.1	68	.	.	.	.
5688	05JUN84	39445	.	9.6	1.8	12	5	230	-0.1	185	.	.	.	.
5689	10JUL84	41306	.	9.5	5.6	19	-1	340	.	150	.	.	.	.
5690	22AUG84	26520	.	9.5	-1.0	14	-1	230	-0.1	185	.	.	.	.
5691	06SEP84	46000	.	9.5	-1.0	25	-1	540	-0.1	225	.	.	.	.
5692	17OCT84	44520	.	9.5	1.6	28	-1	460	-0.1	160	.	.	.	.

STATION LOCATION=YSWPOND-3

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5693	01MAY84	2712	.	7.9	15.0	5.6	.	270	-0.1	75	.	.	.	.
5694	05JUN84	8002	.	8.2	36.0	12.0	-1	600	0.1	175	.	.	.	.
5695	10JUL84	10640	.	8.2	48.0	20.0	-1	790	.	160	.	.	.	.
5696	22AUG84	11220	.	8.3	23.0	21.0	-1	960	-0.1	175	.	.	.	.
5697	06SEP84	12000	.	8.3	25.0	24.0	-1	1000	-0.1	200	.	.	.	.
5698	17OCT84	12720	.	8.5	10.2	25.0	-1	980	-0.1	170	.	.	.	.

STATION LOCATION=YSWPOND-4

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5699	01MAY84	2482	.	7.7	13.0	5.6	.	250	-0.1	65	.	.	.	.
5700	05JUN84	8086	.	8.1	47.0	15.0	-1	700	-0.1	180	.	.	.	.
5701	10JUL84	10640	.	8.3	47.0	20.0	-1	805	.	160	.	.	.	.
5702	22AUG84	10710	.	8.3	23.0	21.0	-1	1000	-0.1	175	.	.	.	.
5703	06SEP84	11800	.	8.3	26.0	25.0	-1	1000	-0.1	200	.	.	.	.
5704	17OCT84	10176	.	8.5	10.2	24.0	-1	1000	-0.1	180	.	.	.	.

STATION LOCATION=YSWPOND-5

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5705	01MAY84	33898	.	9.1	3.8	14.5	.	160	-0.1	110	.	.	.	.
5706	05JUN84	38454	.	9.3	2.6	21.0	-1	370	-0.1	175	.	.	.	.
5707	10JUL84	40432	.	9.3	3.0	26.0	-1	430	.	160	.	.	.	.
5708	22AUG84	44880	.	9.4	1.0	26.0	-1	460	-0.1	190	.	.	.	.
5709	06SEP84	42000	.	9.3	2.7	32.0	2	660	-0.1	200	.	.	.	.
5710	17OCT84	55120	.	9.5	1.2	30.0	-1	450	-0.1	325	.	.	.	.

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MASTER PRINT OF DATA SET DMR.MASTER

STATION LOCATION=YSWPOND-6

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5711	01MAY84	22425	.	9.5	-1.0	7.8	.	170	-0.1	70	.	.	.	.
5712	05JUN84	37323	.	9.4	1.2	19.0	-1	380	-0.1	180	.	.	.	.
5713	10JUL84	39780	.	9.4	1.9	26.0	-1	430	.	155	.	.	.	.
5714	22AUG84	40800	.	9.4	-1.0	24.0	-1	425	-0.1	180	.	.	.	.
5715	06SEP84	45000	.	9.3	1.2	30.0	-1	670	-0.1	190	.	.	.	.
5716	17OCT84	55120	.	9.5	-1.0	28.0	-1	440	-0.1	360	.	.	.	.

STATION LOCATION=YSWPOND-7

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5717	01MAY84	3859	.	7.7	5.6	7.6	.	510	-0.1	55	.	.	.	.
5718	05JUN84	9200	.	8.2	7.8	15.0	-1	840	-0.1	130	.	.	.	.
5719	10JUL84	11957	.	8.5	8.6	26.0	-1	890	.	140	.	.	.	.
5720	22AUG84	14076	.	8.8	1.3	24.0	-1	1000	-0.1	170	.	.	.	.
5721	06SEP84	16000	.	8.9	-1.0	33.0	-1	1000	-0.1	205	.	.	.	.
5722	17OCT84	13780	.	8.9	10.2	26.0	-1	1000	-0.1	150	.	.	.	.

STATION LOCATION=YSWPOND-8

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5723	01MAY84	4172	.	7.7	12.0	16.0	.	285	0.1	205	.	.	.	.
5724	05JUN84	4959	.	8.1	15.0	20.0	1	305	-0.1	180	.	.	.	.
5725	10JUL84	5746	.	8.1	17.5	30.0	-1	420	.	170	.	.	.	.
5726	22AUG84	8160	.	8.4	6.2	29.5	-1	540	-0.1	180	.	.	.	.
5727	06SEP84	9000	.	8.3	7.2	34.0	-1	550	-0.1	200	.	.	.	.
5728	17OCT84	8480	.	8.5	-1.0	37.0	-1	640	-0.1	145	.	.	.	.

STATION LOCATION=YSWPOND-9

OBS	DATE	SP_COND	TEMP	PH	NH3	F	S	K	PHE	COD	WL	MMW	TGP	FRBRD
5729	01MAY84	8006	.	8.3	4.6	11.0	.	390	0.1	160	.	.	.	.
5730	05JUN84	10996	.	8.6	8.0	15.0	-1	400	-0.1	125	.	.	.	.
5731	10JUL84	12516	.	8.8	3.5	21.0	-1	640	.	145	.	.	.	.
5732	22AUG84	10710	.	8.9	-1.0	18.0	-1	550	-0.1	160	.	.	.	.
5733	06SEP84	12000	.	8.9	-1.0	20.5	-1	640	-0.1	190	.	.	.	.
5734	17OCT84	13780	.	9.0	10.2	24.5	-1	760	-0.1	150	.	.	.	.

SOURCE OF SAMPLE=BH-15

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSN	TSC	TSO4	TDS	ALK	HARD	HTHOP	PO4	KJEL	NH3	NO23	F	S	SO3	TBOR	TDOC	CN
14JUN84	.	7.9	1760	140	110	150	0.5	.	568	-1	-0.5	604	18	.	-1	.	1410	487	803	.	.	.	0.18	.	.	0.3	0.09	.	.	.	7.7	.

DATE	PHOEG	BODD	COLB	ASA	SAE	BEI	BB	CDR	CRU	CAE	GEB	GB	PI	LN	MHG	MOL	NIE	SO2	IG	ASR	SNI	TWV	ZNR	ZRA	ALPHA	BET	RPTY	CHAR	TYPE		
14JUN84	.	.	.	.	.	.	.	0.14	.	.	.	.	.	0.09	.	.	0.2	.	.	.	.	.	.	.	.	.	.	1984	RETORT ABANDONMENT		

SOURCE OF SAMPLE=CE-709U

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSC	TSO4	TDS	ALK	HARD	HTHOP	PO4	KJEL	NH3	NO23	F	SO3	TBOR	TDOC	CN
11JAN84	.	8.03	1650	140	88	130	0.68	0.65	531	-1	-0.5	518	15.7	.	.	.	1240	448	712	.	-0.01	.	0.05	.	0.1	0.3	0.02	.	.	6	.
11APR84	.	7.86	1675	130	89	130	0.65	.	519	-1	-0.5	536	18.7	.	.	.	1160	449	691	.	.	.	0.06	.	.	0.3	-0.02	.	.	5	.
11OCT84	.	7.65	1950	189	115	132	0.74	.	552	-1	-0.5	779	17.3	.	.	.	1640	476	946	.	.	.	-0.05	.	.	-0.1	-0.02	.	.	13	.

DATE	PHOEG	BODD	COLB	ASA	SAE	BEI	BB	CDR	CRU	CAE	GEB	GB	PI	LN	MHG	MOL	NIE	SO2	IG	ASR	SNI	TWV	ZNR	ZRA	ALPHA	BET	RPTY	CHAR	TYPE		
11JAN84	.	.	.	.	-0.01	.	.	0.24	.	.	.	.	.	.	-0.3	0.2	.	-0.01	23	.	.	.	-0.1	.	.	.	.	1984	RETORT ABANDONMENT		
11APR84	.	.	.	.	.	.	.	0.24	.	.	.	.	0.05	.	.	-0.1	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT ABANDONMENT		
11OCT84	.	.	.	.	.	.	.	0.25	.	.	.	.	0.05	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT ABANDONMENT		

SOURCE OF SAMPLE=GS-D1U

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO23	F	S	SO3	TBORC	DOOC
11APR84	.	7.90	1360	75	77	110	0.33	.	446	-1	-0.5	387	14.3	.	.	.	940	383	504	.	.	.	-0.05	.	.	0.3	-0.02	.	.	6
16OCT84	.	7.58	2000	252	133	136	0.39	.	504	-1	-0.5	1020	13.1	.	.	.	1870	435	1177	.	.	.	0.35	.	.	0.2	-0.02	.	.	3

DATE	CHNE	PHOG	BCOD	OOLD	ASBS	SAE	BBAI	BB	CD	CR	CU	GAA	GEB	PB	LI	MHNG	MOL	NIE	SIO2	AGR	SRN	STI	WV	ZNR	ZHA	ALPHAA	RPTYR	CHAR	TYPE	
11APR84	.	.	.	.	.	.	.	0.20	.	.	.	.	.	.	0.07	.	-0.1	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT	
16OCT84	.	.	.	.	.	.	.	0.24	.	.	.	.	.	.	0.10	.	0.3	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT	

SOURCE OF SAMPLE=GS-D3U

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO23	F	S	SO3	TBORC	DOOC	CN
12JAN84	.	8.27	1995	87	130	180	0.51	0.07	535	-1	-0.5	758	8.1	.	.	1530	458	753	.	-0.01	.	-0.05	.	-0.1	0.8	0.02	.	.	4	.
16APR84	.	8.00	2180	89	150	200	0.67	.	518	-1	-0.5	834	11.7	.	.	1520	465	840	.	.	.	0.10	.	.	1.3	0.05	.	.	42	.
16OCT84	.	7.34	1860	221	124	100	0.69	.	303	-1	-0.5	979	9.3	.	.	1690	269	1062	.	.	.	0.45	.	.	0.3	-0.02	.	.	3	.

DATE	PHEG	BOOD	COOL	ASBS	SAS	BBAE	BBI	BB	CCD	CRU	CUA	GAE	GEB	PB	LI	MHNG	MOL	NIE	SIO2	AGR	SRN	STI	WV	ZNR	ZHA	ALPHAA	RPTYR	CHAR	TYPE	
12JAN84	.	.	.	.	-0.01	.	.	0.22	.	.	.	.	.	.	.	.	-0.3	0.1	.	-0.01	11	.	.	.	.	-0.1	.	.	.	1984		RETORT ABANDONMENT
16APR84	.	.	.	.	.	.	.	0.24	.	.	.	.	.	0.12	.	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

| | | |

SOURCE OF SAMPLE=GS-MDP2CU

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOCC	DOCC	CN
12JAN84	.	8.22	1550	83	92	150	0.59	0.59	606	-1	-0.5	449	5.3	.	.	.	1150	517	586	.	-0.01	.	0.06	.	-0.1	0.6	0.02	.	.	.	5	.
16APR84	.	8.25	1730	98	99	150	0.41	.	622	-1	-0.5	390	12.7	.	.	.	1140	558	652	.	.	.	0.09	.	.	0.6	0.08	.	.	.	5	.
16OCT84	.	7.60	2230	232	169	156	0.57	.	544	-1	-0.5	1090	13.7	.	.	.	2060	470	1275	.	.	.	0.29	.	.	0.5	-0.02	.	.	.	2	.

DATE	PHEG	BOOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHAA	BETAA	RPTYR	CHAR	TYPE
12JAN84	.	.	.	.	.	0.03	.	.	.	0.26	.	.	.	.	.	.	.	.	-0.3	0.1	.	-0.01	39	.	.	.	.	.	-0.1	.	.	.	.	1984		RETORT ABANDONMENT
16APR84	.	.	.	.	.	.	.	.	.	0.25	.	.	.	.	.	.	0.10	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
16OCT84	.	.	.	.	.	.	.	.	.	0.24	.	.	.	.	.	.	0.15	.	.	0.6	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SAS

SOURCE OF SAMPLE=MINE

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TOS	ALK	HARD	ORTHOP	PO4	KJEL	NH3
07MAY84	.	8.02	1330	56	87	180	0.70	.	582	-1	-0.5	406	9.3	.	-1	.	1037	496	498	.	.	.	0.25
23MAY84	.	8.18	1420	47	86	180	0.34	0.46	576	-1	-0.5	411	9.6	.	-1	.	1080	505	472	.	.	.	-0.05
26JUN84	.	8.21	1750	110	110	190	1.95	.	575	-1	-0.5	580	15.3	.	-1	.	1410	519	728	.	.	.	0.16
16JUL84	.	7.45	1980	128	119	175	1.09	.	546	-1	-0.5	741	14.3	.	-1	.	1561	464	810	.	.	.	0.12
040CT84	.	8.07	2400	147	139	191	1.52	.	492	-1	-0.5	932	13.0	.	-1	.	1820	428	939	.	.	.	0.21
250CT84	.	8.19	2150	147	140	196	1.72	.	479	-1	-0.5	971	16.6	.	.	.	1760	410	944	.	.	.	1.38

DATE	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI
07MAY84	.	.	0.9	-0.02	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.26	.	.	.	.	.	.	0.10
23MAY84	.	.	1.0	-0.02	.	.	.	9	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	0.22	.	-0.01	0.03	.	.	-0.01	0.11
26JUN84	.	.	0.9	0.10	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	0.24	.	.	.	.	.	.	0.16
16JUL84	.	.	0.8	-0.02	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	0.14	.	.	.	.	.	.	0.16
040CT84	.	.	0.7	-0.02	.	.	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.15
250CT84	.	.	0.7	-0.02	.	.	.	35	.	.	.	.	.	.	.	.	.	.	.	0.33	.	.	.	.	.	.	0.10

DATE	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
07MAY84	.	.	-0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
23MAY84	-0.01	-0.3	-0.1	0.11	-0.01	.	.	7.3	.	.	.	-0.1	-0.01	.	.	.	1984		RETORT ABANDONMENT
26JUN84	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
16JUL84	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
040CT84	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
250CT84	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAM-2A

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL
26JUN84	.	7.92	3400	300	200	390	160.0	.	524	-1	-0.5	2220	22.6	.	-1	.	3620	476	1573	.	.	.
16JUL84	.	7.38	3300	309	276	237	33.0	.	569	-1	-0.5	2020	19.2	.	-1	.	3445	489	1908	.	.	.
26SEP84	.	7.80	2800	250	183	210	10.9	.	523	-1	-0.5	1414	16.2	.	-1	.	2460	453	1378	.	.	.
07NOV84	.	3.08	2940	267	180	199	8.5	1.65	-5	-1	-0.5	1744	16.2	.	-1	.	2640	0	1408	.	.	.
11DEC84	.	7.71	2740	287	186	198	9.1	.	508	-1	-0.5	1430	16.3	.	-1	.	2530	445	1483	.	.	.

DATE	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE
26JUN84	0.95	.	.	0.9	0.10	.	.	.	5.4	.	.	.	.	.	.	.	.	.	.	.	0.85	.	.	.	.	.
16JUL84	0.52	.	.	0.8	-0.02	.	.	.	8.0	.	.	.	.	.	.	.	.	.	.	.	0.35	.	.	.	.	.
26SEP84	0.35	.	.	0.5	0.04	.	.	.	11.0	.	.	.	.	.	.	.	.	.	.	.	0.27	.	.	.	.	.
07NOV84	0.48	.	.	0.6	-0.02	.	.	.	6.0	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	0.35	.	-0.01	-0.01	.	.
11DEC84	0.30	.	.	0.4	-0.02	.	.	.	5.0	.	.	.	.	.	.	.	.	.	.	.	0.28	.	.	.	.	.

DATE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
26JUN84	.	0.61	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
16JUL84	.	0.32	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
26SEP84	.	0.11	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
07NOV84	-0.01	0.19	0.3	-0.3	0.3	-0.05	-0.01	.	.	12	.	.	.	-0.1	1.2	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	.	0.24	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SAS

SOURCE OF SAMPLE=RAM-2B

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL
14JUN84	.	7.93	2180	180	130	190	0.72	.	591	-1	-0.5	830	16.7	.	-1	.	1840	513	985	.	.	.
28JUN84	.	8.04	2350	170	150	250	1.95	.	642	-1	-0.5	1020	15.4	.	.	.	2070	583	1042	.	.	.
16JUL84	.	7.40	2630	193	195	263	2.39	.	621	-1	-0.5	1350	13.1	.	-1	.	2583	527	1285	.	.	.
26SEP84	.	7.64	3500	263	218	343	3.00	.	612	-1	-0.5	1670	10.8	.	-1	.	3280	531	1554	.	.	.
25OCT84	.	7.95	3350	231	227	274	2.50	.	631	-1	-0.5	1590	10.4	.	.	.	2930	540	1512	.	.	.
07NOV84	.	7.82	3400	215	229	299	2.80	1.4	629	-1	-0.5	1630	11.2	.	-1	.	2850	544	1480	.	.	.
11DEC84	.	7.58	3500	286	257	274	2.90	.	614	-1	-0.5	1870	11.1	.	-1	.	3180	535	1772	.	.	.

DATE	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE
14JUN84	0.08	.	.	0.4	0.09	.	.	.	8.7	.	.	.	.	.	.	.	.	.	.	.	0.22	.	.	.	.	.
28JUN84	0.33	.	.	0.6	-0.02	.	.	.	8.0	.	.	.	.	.	.	.	.	.	.	.	0.23	.	.	.	.	.
16JUL84	0.19	.	.	0.6	-0.02	.	.	.	7.0	.	.	.	.	.	.	.	.	.	.	.	0.21	.	.	.	.	.
26SEP84	0.42	.	.	0.8	0.04	.	.	.	11.0	.	.	.	.	.	.	.	.	.	.	.	0.20	.	.	.	.	.
25OCT84	1.44	.	.	0.8	-0.02	.	.	.	13.0	.	.	.	.	.	.	.	.	.	.	.	0.30	.	.	.	.	.
07NOV84	0.57	.	.	0.9	-0.02	.	.	.	4.0	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	0.27	.	-0.01	-0.01	.	.
11DEC84	0.29	.	.	0.8	-0.02	.	.	.	4.0	.	.	.	.	.	.	.	.	.	.	.	0.22	.	.	.	.	.

DATE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
14JUN84	.	0.13	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
28JUN84	.	0.17	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
16JUL84	.	0.20	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
26SEP84	.	0.16	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
25OCT84	.	0.18	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
07NOV84	-0.01	0.23	1.44	-0.3	0.4	-0.05	-0.01	.	.	11.9	.	.	.	-0.1	3.9	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	.	0.25	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SAS

SOURCE OF SAMPLE=RAM-2C

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSCN	TSO4	TDS	ALK	HARO	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	OOC
06JUN84	.	8.04	2050	80	160	230	1.26	.	695	-1	-0.5	696	12.6	.	-1	.	1569	618	859	.	.	.	0.27	.	.	1.3	0.09	.	.	.	6.2
16JUL84	.	7.80	1510	53	99	173	1.43	.	687	-1	-0.5	349	10.2	.	-1	.	1103	581	540	.	.	.	0.27	.	.	1.1	-0.02	.	.	.	14.0
26SEP84	.	8.04	1560	52	96	176	1.55	.	676	-1	-0.5	355	9.4	.	-1	.	1100	572	525	.	.	.	0.34	.	.	1.0	0.04	.	.	.	15.0
11DEC84	.	8.04	1550	53	92	182	1.86	.	688	-1	-0.5	310	9.6	.	-1	.	1060	592	511	.	.	.	0.29	.	.	1.1	-0.02	.	.	.	2.0

DATE	CN	PHEG	BOOD	COOL	ASB	SAS	ABE	BEI	BB	CD	CRU	CAE	GEB	PB	LI	MN	HG	MOL	NIE	SO2	OAG	RAS	SNI	TIW	WV	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
06JUN84	.	.	.	.	.	.	.	.	0.37	.	.	.	.	.	0.13	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
16JUL84	.	.	.	.	.	.	.	.	0.15	.	.	.	.	.	0.14	.	.	-0.1	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	.	.	.	.	.	.	.	.	0.18	.	.	.	.	.	0.04	.	.	-0.1	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
11DEC84	.	.	.	.	.	.	.	.	0.25	.	.	.	.	.	0.13	.	.	-0.1	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAM-2G

DATE	TEMP	PH	SPC-COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	TBRC	TOCC	DOC
25MAY84	.	8.25	2180	89	76	360	2.8	.	700	-1	-0.5	695	17.8	.	-1	.	1630	620	535	.	.	.	0.25	.	.	4.6	-0.02	.	.	.	18
28JUN84	.	8.23	1875	68	110	240	8.1	.	651	-1	-0.5	635	11.4	.	.	.	1400	567	623	.	.	.	1.12	.	.	1.7	-0.02	.	.	.	7
16JUL84	.	7.53	1990	66	120	233	9.8	.	631	-1	-0.5	631	10.7	.	-1	.	1426	536	659	.	.	.	0.61	.	.	1.6	-0.02	.	.	.	9
26SEP84	.	7.91	1960	57	110	241	11.0	.	628	-1	-0.5	608	9.3	.	-1	.	1410	533	595	.	.	.	0.73	.	.	1.5	0.61	.	.	.	11
11DEC84	.	7.78	2010	60	107	243	11.0	.	620	-1	-0.5	608	10.2	.	-1	.	1450	531	590	.	.	.	0.63	.	.	1.9	-0.02	.	.	.	3

DATE	CN	PHEG	BOOD	COOD	ALB	SAE	ABI	BB	B	CD	CRU	CAE	GB	PI	LNG	MHG	MOL	NIE	SO2	AGR	SNI	TIW	VNR	ZHA	ALPHA	BET	RPTYR	CHAR	TYPE	
25MAY84	.	.	.	.	.	.	.	.	0.26	.	.	.	.	0.08	.	.	0.2	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
28JUN84	.	.	.	.	.	.	.	.	0.29	.	.	.	.	0.16	.	.	0.2	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
16JUL84	.	.	.	.	.	.	.	.	0.23	.	.	.	.	0.18	.	.	0.2	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
26SEP84	.	.	.	.	.	.	.	.	0.27	.	.	.	.	0.11	.	.	0.2	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
11DEC84	.	.	.	.	.	.	.	.	0.22	.	.	.	.	0.21	.	.	0.2	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT

SOURCE OF SAMPLE=RAM-3A

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	F	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	KJEL	NH3	NO2	NO3	F	S	SO3	TBRC	TOC
26JUN84	.	7.84	2010	200	120	160	0.53	.	604	-1	-0.5	768	14.7	.	-1	.	1720	544	994	.	.	.	0.07	.	.	0.7	-0.02	.	.	.
17JUL84	.	7.58	2300	221	145	156	0.65	.	594	-1	-0.5	986	14.8	.	-1	.	1989	506	1149	.	.	.	0.17	.	.	0.8	-0.02	.	.	.
26SEP84	.	7.73	1860	146	110	142	0.58	.	545	-1	-0.5	660	14.9	.	-1	.	1480	472	818	.	.	.	0.13	.	.	0.5	0.05	.	.	.
11DEC84	.	7.55	1925	133	105	141	0.88	.	536	-1	-0.5	620	13.9	.	-1	.	1360	463	764	.	.	.	-0.05	.	.	0.4	-0.02	.	.	.

DATE	TOC	PHENOLS	BOD	COD	OIL&GREASE	ASBESTOS	ASBESTOS	ABSAE	BOBI	B	CADMIUM	CRUDE	CUAEB	GLASS	PB	MINGLE	MHONIE	NSO2	OASIS	SGRNI	STWVNR	ZINC	ALPHAA	BETAA	RPTYR	CHAR	TYPE	
26JUN84	5.2	.	.	.	.	.	.	.	.	0.20	.	.	.	.	.	0.14	.	.	0.2	.	.	.	.	.	1984		RETORT	ABANDONMENT
17JUL84	10.0	.	.	.	.	.	.	.	.	0.21	.	.	.	.	.	0.15	.	.	0.1	.	.	.	.	.	1984		RETORT	ABANDONMENT
26SEP84	15.0	.	.	.	.	.	.	.	.	0.15	.	.	.	.	.	0.06	.	.	0.3	.	.	.	.	.	1984		RETORT	ABANDONMENT
11DEC84	-2.0	.	.	.	.	.	.	.	.	0.24	.	.	.	.	.	0.15	.	.	0.2	.	.	.	.	.	1984		RETORT	ABANDONMENT

SAS

SOURCE OF SAMPLE=RAM-3B

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSC	TSO4	TDS	ALK	HARD	ORTHOP	PO4	PJEL	NH3	NO23	NO2	F	SO3	TBORC
14JUN84	.	7.99	2260	130	160	210	1.41	.	609	-1	-0.5	917	13.7	.	-1	.	1870	525	983	.	.	.	0.19	.	.	0.8	0.09	.	.
17JUL84	.	7.60	2590	148	186	234	1.12	.	587	-1	-0.5	1190	13.6	.	-1	.	2171	500	1136	.	.	.	0.21	.	.	0.8	-0.02	.	.
26SEP84	.	7.78	2050	86	146	206	0.96	.	610	-1	-0.5	724	12.0	.	-1	.	1550	516	816	.	.	.	0.26	.	.	1.0	0.04	.	.
11DEC84	.	7.74	2040	85	139	214	1.03	.	598	-1	-0.5	735	13.0	.	-1	.	1540	516	785	.	.	.	0.20	.	.	1.0	-0.02	.	.

DATE	DOC	PHENOLS	BOD	COD	ALSA	BSAE	BI	B	CDRU	GAE	GPB	LI	MNG	HOL	NI	SOLID	ASGR	SRNI	STW	ZVN	ZRA	ALPHA	8ETA	RPTR	CHAR	TYPE
14JUN84	7.8	.	.	.	.	.	.	0.20	.	.	.	0.14	.	0.1	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
17JUL84	9.0	.	.	.	.	.	.	0.16	.	.	.	0.17	.	0.1	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	11.0	.	.	.	.	.	.	0.17	.	.	.	0.09	.	0.2	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
11DEC84	5.0	.	.	.	.	.	.	0.17	.	.	.	0.19	.	0.1	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAM-3C

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	TBRC	TOC	DOC
06JUN84	.	8.13	1540	46	100	190	0.68	.	611	-1	-0.5	431	8.9	.	-1	.	1112	538	527	.	.	.	0.28	.	.	1.1	0.46	.	.	.	4.2
17JUL84	.	7.95	1490	26	71	210	0.62	.	599	-1	-0.5	342	15.2	.	-1	.	1011	500	357	.	.	.	0.16	.	.	1.4	5.52	.	.	.	6.0
26SEP84	.	8.00	1490	20	74	218	0.60	.	551	-1	-0.5	352	10.8	.	-1	.	980	475	355	.	.	.	0.25	.	.	1.4	29.00	.	.	.	14.0
11DEC84	.	8.03	1440	21	73	220	0.56	.	571	-1	-0.5	318	12.0	.	-1	.	967	491	353	.	.	.	0.24	.	.	1.4	1.60	.	.	.	3.0

DATE	CHNE	PHOG	BODD	CODL	ASBS	ASAE	BBEI	B	CDRU	CRAE	GGEB	PBL	LI	MHNG	MOL	NIE	SIO2	OAGR	SSRN	TNI	WV	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
06JUN84	.	.	.	.	.	.	.	0.23	.	.	.	.	0.09	.	-0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
17JUL84	.	.	.	.	.	.	.	0.20	.	.	.	.	0.16	.	-0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	.	.	.	.	.	.	.	0.17	.	.	.	.	0.10	.	0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
11DEC84	.	.	.	.	.	.	.	0.28	.	.	.	.	0.20	.	-0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAM-4A

DATE	TEMP	PH	SPC-COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	SO3	TBRC
26JUN84	.	7.97	1525	110	98	140	0.58	.	584	-1	-0.5	409	19.9	.	-1	.	1205	536	678	.	.	.	0.07	.	.	0.5	0.20	.	.
17JUL84	.	7.60	1790	127	110	135	0.60	.	553	-1	-0.5	590	19.4	.	-1	.	1369	471	770	.	.	.	0.06	.	.	0.4	-0.02	.	.
26SEP84	.	7.71	1775	129	104	137	0.36	.	548	-1	-0.5	560	18.0	.	-1	.	1310	468	750	.	.	.	0.08	.	.	-0.1	0.06	.	.
11DEC84	.	7.55	1870	127	96	135	0.34	.	553	-1	-0.5	555	19.2	.	-1	.	1300	474	712	.	.	.	-0.05	.	.	0.5	-0.02	.	.

DATE	DOC	CHNE	PHOG	BCOD	OD	ALBS	ASAE	BBEI	B	CDRU	CRAE	GGPB	L I	MHNG	MOL	NIE	SIO2	ASGR	STNI	TIW	VNR	ZNR	ZHA	ALPHA	BETA	RPTYR	CHAR	TYPE
26JUN84	6.5	.	.	.	.	.	.	.	0.19	.	.	.	0.10	.	0.2	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
17JUL84	8.0	.	.	.	.	.	.	.	0.22	.	.	.	0.10	.	1.2	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	15.0	.	.	.	.	.	.	.	0.17	.	.	.	0.03	.	1.2	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
11DEC84	6.0	.	.	.	.	.	.	.	0.14	.	.	.	0.10	.	0.8	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAN-48

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3
14JUN84	.	8.02	1280	63	85	180	0.48	.	615	-1	-0.5	322	8.7	.	-1	.	1060	529	507	.	.	.	0.17
17JUL84	.	7.75	1460	57	72	169	0.54	.	609	-1	-0.5	330	8.2	.	-1	.	1002	519	439	.	.	.	0.10
26SEP84	.	7.80	1600	64	87	178	0.71	.	620	-1	-0.5	408	8.1	.	-1	.	1100	527	518	.	.	.	0.16
07NOV84	.	8.05	1560	67	88	183	0.62	0.48	594	-1	-0.5	429	9.9	.	-1	.	1100	507	530	.	.	.	0.17
11DEC84	.	8.00	1625	79	88	177	1.79	.	595	-1	-0.5	411	10.0	.	-1	.	1150	505	560	.	.	.	0.15

DATE	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE	PB
14JUN84	.	.	0.7	0.48	.	.	.	4.8	.	.	.	.	.	.	.	.	.	.	.	0.19	.	.	.	.	.	.
17JUL84	.	.	0.8	0.36	.	.	.	5.0	.	.	.	.	.	.	.	.	.	.	.	0.22	.	.	.	.	.	.
26SEP84	.	.	0.9	0.59	.	.	.	10.0	.	.	.	.	.	.	.	.	.	.	.	0.18	.	.	.	.	.	.
07NOV84	.	.	0.8	1.21	.	.	.	11.0	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	0.19	.	-0.01	-0.01	.	.	-0.01
11DEC84	.	.	0.9	0.11	.	.	.	-2.0	.	.	.	.	.	.	.	.	.	.	.	0.19	.	.	.	.	.	.

DATE	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
14JUN84	0.12	.	.	-0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
17JUL84	0.13	.	.	-0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
26SEP84	0.05	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
07NOV84	0.14	0.62	-0.3	-0.1	-0.05	-0.01	.	.	8.3	.	.	.	-0.1	0.02	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	0.15	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SAS

SOURCE OF SAMPLE=RAM-4C

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOPO4	KJEL	NH3	NO23	F	S	SO3	TBORC	DOC
06JUN84	.	8.36	1340	35	51	220	1.06	.	573	5	-0.5	306	13.6	.	-1	.	897	512	297	.	.	0.29	. .	1.5	11.40	.	. .	6.7
17JUL84	.	7.90	1260	14	31	232	0.50	.	516	-1	-0.5	249	7.2	.	-1	.	827	439	163	.	.	1.72	. .	2.0	1.43	.	. .	3.0
26SEP84	.	8.04	1460	20	53	245	0.52	.	510	-1	-0.5	360	7.1	.	-1	.	950	436	268	.	.	0.23	. .	0.4	25.00	.	. .	8.0
11DEC84	.	8.00	1500	23	51	242	0.78	.	510	-1	-0.5	330	8.7	.	-1	.	940	439	267	.	.	0.13	. .	1.9	6.81	.	. .	-2.0

DATE	CN	PHENOL	BOD	COD	ALBAS	SABSAE	BBBI	B	CDRUAE	CCCGGPB	L	MHNG	MOL	NSIE	SIO2	ALPHA	BETA	RPTYR	CHAR	TYPE	
06JUN84	.	.	.	.	.	.	.	0.20	.	.	0.09	. .	-0.1	.	.	.	.	1984		RETORT	ABANDONMENT
17JUL84	.	.	.	.	.	.	.	0.15	.	.	0.15	. .	-0.1	.	.	.	.	1984		RETORT	ABANDONMENT
26SEP84	.	.	.	.	.	.	.	0.18	.	.	0.10	. .	0.1	.	.	.	.	1984		RETORT	ABANDONMENT
11DEC84	.	.	.	.	.	.	.	0.19	.	.	0.20	. .	0.1	.	.	.	.	1984		RETORT	ABANDONMENT

SAS

SOURCE OF SAMPLE=RAM-5B

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL
14JUN84	.	7.73	3650	470	280	320	6.6	.	559	-1	-0.5	2530	13.0	.	-1	.	4170	482	2327	.	.	.
28JUN84	.	8.07	3790	370	220	370	9.0	.	604	-1	-0.5	2030	15.7	.	.	.	3600	548	1830	.	.	.
16JUL84	.	7.32	3300	289	196	350	6.6	.	585	-1	-0.5	1820	15.4	.	-1	.	3290	500	1529	.	.	.
26SEP84	.	7.87	3950	300	251	440	6.1	.	598	-1	-0.5	2150	14.8	.	-1	.	3680	518	1783	.	.	.
25OCT84	.	7.97	4210	325	270	398	5.0	.	614	-1	-0.5	2090	15.2	.	.	.	3720	520	1923	.	.	.
07NOV84	.	8.00	4050	306	257	405	5.8	1.52	596	-1	-0.5	2220	16.2	.	-1	.	3850	519	1822	.	.	.
11DEC84	.	7.52	4100	323	295	386	4.7	.	615	-1	-0.5	2340	15.3	.	-1	.	3840	525	2021	.	.	.

DATE	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE
14JUN84	0.85	.	.	0.7	0.09	.	.	.	19.3	.	.	.	.	.	.	.	.	.	.	.	0.25	.	.	.	.	.
28JUN84	0.60	.	.	0.6	-0.02	.	.	.	6.0	.	.	.	.	.	.	.	.	.	.	.	0.26	.	.	.	.	.
16JUL84	0.32	.	.	0.8	-0.02	.	.	.	8.0	.	.	.	.	.	.	.	.	.	.	.	0.19	.	.	.	.	.
26SEP84	0.37	.	.	0.9	0.04	.	.	.	11.0	.	.	.	.	.	.	.	.	.	.	.	0.21	.	.	.	.	.
25OCT84	1.29	.	.	0.9	-0.02	.	.	.	14.0	.	.	.	.	.	.	.	.	.	.	.	0.29	.	.	.	.	.
07NOV84	0.55	.	.	0.9	-0.02	.	.	.	7.0	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	0.20	.	-0.01	-0.01	.	.
11DEC84	0.27	.	.	0.9	0.02	.	.	.	-2.0	.	.	.	.	.	.	.	.	.	.	.	0.18	.	.	.	.	.

DATE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
14JUN84	.	0.25	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
28JUN84	.	0.22	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
16JUL84	.	0.22	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	.	0.18	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
25OCT84	.	0.21	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
07NOV84	-0.01	0.25	3.3	-0.3	0.3	-0.05	-0.01	.	.	11.1	.	.	.	-0.1	0.49	.	.	.	1984		RETORT ABANDONMENT
11DEC84	.	0.31	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAM-5A

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	AL	HARD	ORTHOP	KJEL	NH3	NO2	NO3	F	SO3	TOC
26JUN84	.	8.01	1840	160	120	160	0.97	.	568	-1	-0.5	658	19.1	.	-1	.	1590	516	894	.	.	0.07	.	.	0.3	0.09	.	.
16JUL84	.	7.35	1753	135	104	137	0.79	.	544	-1	-0.5	603	18.5	.	-1	.	1385	463	765	.	.	-0.05	.	.	-0.1	-0.02	.	.
26SEP84	.	7.81	1890	147	106	137	0.63	.	534	-1	-0.5	660	16.1	.	-1	.	1440	456	804	.	.	-0.05	.	.	0.3	0.04	.	.
11DEC84	.	7.73	2025	150	106	142	1.65	.	537	-1	-0.5	615	17.6	.	-1	.	1400	464	811	.	.	-0.05	.	.	-0.1	-0.02	.	.

DATE	DOC	PCHNE	PHOG	BOD	COD	ACL	SAB	SAE	BBI	B	CDU	CRU	CUA	GAE	GBP	PBI	LI	MNG	MHO	NIE	SIO2	ALPHA	BETA	RPTYR	CHAR	TYPE
26JUN84	7.9	.	.	.	.	.	.	.	.	0.25	.	.	.	.	.	.	0.14	.	.	0.3	.	.	.	.	1984		RETORT ABANDONMENT
16JUL84	8.0	.	.	.	.	.	.	.	.	0.16	.	.	.	.	.	.	0.13	.	.	0.3	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	13.0	.	.	.	.	.	.	.	.	0.16	.	.	.	.	.	.	0.03	.	.	0.4	.	.	.	.	1984		RETORT ABANDONMENT
11DEC84	3.0	.	.	.	.	.	.	.	.	0.24	.	.	.	.	.	.	0.13	.	.	0.4	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAM-5C

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	F	HCO3	CO3	OH	SO4	CL	TSS	TSCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO23	NO3	F	SS	SOBRC	TOC	DOC
06JUN84	.	8.00	2690	290	200	190	1.62	.	584	-1	-0.5	1377	15.6	.	-1	.	2548	521	1548	.	.	.	0.24	.	.	0.8	0.09	.	.	.	4.4
17JUL84	.	7.75	1705	67	98	204	2.46	.	558	-1	-0.5	552	8.9	.	-1	.	1286	473	571	.	.	.	0.18	.	.	1.2	0.02	.	.	.	6.0
26SEP84	.	8.14	1800	65	107	208	1.13	.	556	-1	-0.5	636	10.7	.	-1	.	1300	475	603	.	.	.	0.22	.	.	1.1	0.06	.	.	.	8.0
11DEC84	.	8.07	1875	65	107	211	1.34	.	546	-1	-0.5	588	11.6	.	-1	.	1310	470	603	.	.	.	0.18	.	.	1.1	-0.02	.	.	.	-2.0

DATE	CNE	PHOG	BOOD	COOL	ASB	SAE	BBI	B	CDR	CRU	CAE	GFB	PBI	L	MHNG	MOL	NIE	SO2	OGR	ASN	SIT	TIW	VNR	ZZHAA	ALPHAT	BEAR	RPTYR	CHAR	TYPE	
06JUN84	.	.	.	.	.	.	.	0.23	.	.	.	.	.	0.12	. .	0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
17JUL84	.	.	.	.	.	.	.	0.22	.	.	.	.	.	0.16	. .	-0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
26SEP84	.	.	.	.	.	.	.	0.19	.	.	.	.	.	0.09	. .	0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
11DEC84	.	.	.	.	.	.	.	0.17	.	.	.	.	.	0.20	. .	-0.1	.	.	.	.	.	.	.	.	.	.	1984		RETORT	ABANDONMENT

SOURCE OF SAMPLE=RAM-6A

DATE	TEMP	PH	SPC-COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO23	F	SO3	TOBRC
26JUN84	.	8.02	2040	170	120	250	28.00	.	547	-1	-0.5	970	19.2	.	-1	.	2000	506	919	.	.	.	0.21	. .	0.4	0.29	. . .
16JUL84	.	7.30	1800	130	112	138	2.45	.	554	-1	-0.5	629	18.1	.	-1	.	1403	474	786	.	.	.	-0.05	. .	0.4	-0.02	. . .
26SEP84	.	7.87	1820	140	110	142	1.22	.	548	-1	-0.5	633	15.8	.	-1	.	1430	483	803	.	.	.	0.05	. .	0.5	-0.02	. . .
11DEC84	.	7.85	2090	139	115	141	0.98	.	550	-1	-0.5	655	15.5	.	-1	.	1440	488	821	.	.	.	-0.05	. .	0.5	-0.02	. . .

DATE	DOC	CHNE	PHOG	BOOD	COOL	ASB	SAE	BBI	B	CDR	CRU	CAE	GEB	PB	LI	MNG	HG	MOL	NIE	SIE2	OGR	ASN	STI	TIW	VZN	ZNR	ALPHA	BETA	RPTYR	CHAR	TYPE
26JUN84	8.3	.	.	.	.	.	.	.	0.42	.	.	.	.	.	0.31	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
16JUL84	5.0	.	.	.	.	.	.	.	0.15	.	.	.	.	.	0.12	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	15.0	.	.	.	.	.	.	.	0.17	.	.	.	.	.	0.07	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
11DEC84	-2.0	.	.	.	.	.	.	.	0.26	.	.	.	.	.	0.17	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=RAM-6B

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	8RC	TOC	DOC
14JUN84	.	7.97	2300	120	170	220	1.28	.	629	-1	-0.5	929	16.2	.	-1	.	1910	540	1000	.	.	.	0.24	.	.	0.8	-0.02	.	.	.	7.4
28JUN84	.	8.12	2300	120	190	200	1.01	.	623	-1	-0.5	1000	16.7	.	.	.	1970	566	1082	.	.	.	0.44	.	.	0.8	-0.02	.	.	.	7.0
16JUL84	.	7.40	2420	122	200	190	1.24	.	614	-1	-0.5	1030	16.9	.	-1	.	1956	522	1128	.	.	.	0.17	.	.	0.8	-0.02	.	.	.	10.0
26SEP84	.	7.93	2400	125	203	212	1.63	.	618	-1	-0.5	1020	15.9	.	-1	.	1960	525	1148	.	.	.	0.25	.	.	0.9	-0.02	.	.	.	11.0
11DEC84	.	7.88	2300	137	192	226	9.20	.	595	-1	-0.5	1120	17.0	.	-1	.	2110	506	1133	.	.	.	0.35	.	.	0.9	-0.02	.	.	.	2.0

DATE	CN	PHEG	BODD	COD	AL	AS8	SA	8AE	BBEI	B	CDR	CRU	CUA	GAŁ	GB	PB	L I	MH NG	MOLI	NSIE	SO2	AG	SR	ST NI	W	V	ZN	ZR	ALPHAA	BETAA	RPTR	CHAR	TYPE	
14JUN84	.	.	.	.	.	.	.	.	.	0.23	.	.	.	.	.	.	0.16	. .	0.1	.	.	.	.	. .	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
28JUN84	.	.	.	.	.	.	.	.	.	0.23	.	.	.	.	.	.	0.14	. .	-0.1	.	.	.	.	. .	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
16JUL84	.	.	.	.	.	.	.	.	.	0.17	.	.	.	.	.	.	0.17	. .	0.1	.	.	.	.	. .	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
26SEP84	.	.	.	.	.	.	.	.	.	0.18	.	.	.	.	.	.	0.12	. .	0.1	.	.	.	.	. .	.	.	.	.	.	.	1984		RETORT	ABANDONMENT
11DEC84	.	.	.	.	.	.	.	.	.	0.36	.	.	.	.	.	.	0.25	. .	0.1	.	.	.	.	. .	.	.	.	.	.	.	1984		RETORT	ABANDONMENT

SOURCE OF SAMPLE=RAM-6C

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL
06JUN84	.	8.40	1250	23	42	230	2.36	.	557	13	-0.5	242	13.0	.	-1	.	872	516	230	.	.	.
16JUL84	.	7.95	1420	31	55	221	2.31	.	551	-1	-0.5	338	12.6	.	-1	.	982	468	304	.	.	.
26SEP84	.	8.10	1470	30	64	220	2.09	.	542	-1	-0.5	348	13.6	.	-1	.	970	462	338	.	.	.
11DEC84	.	8.25	1500	26	54	223	2.50	.	542	-1	-0.5	294	13.0	.	-1	.	908	596	287	.	.	.

DATE	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE
06JUN84	0.17	.	.	1.4	0.89	.	.	.	9.2	.	.	.	.	.	.	.	.	.	.	.	0.20	.	.	.	.	.
16JUL84	0.12	.	.	1.3	-0.02	.	.	.	6.0	.	.	.	.	.	.	.	.	.	.	.	0.20	.	.	.	.	.
26SEP84	0.29	.	.	1.4	0.22	.	.	.	12.0	.	.	.	.	.	.	.	.	.	.	.	0.30	.	.	.	.	.
11DEC84	0.10	.	.	1.4	-0.02	.	.	.	2.0	.	.	.	.	.	.	.	.	.	.	.	0.18	.	.	.	.	.

DATE	CHNEG	PHOOD	BCOOD	ASLBS	ASAEI	BBB	B	CDR	CRU	GAE	GBI	L	MHNG	MOLI	NSIE2	SOAGR	SSNIW	TVNR	ZZHAA	ALPHAT	BETAR	RPTYR	CHAR	TYPE
06JUN84	.	.	.	.	.	.	0.20	.	.	.	.	0.10	. .	0.1	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
16JUL84	.	.	.	.	.	.	0.16	.	.	.	.	0.14	. .	-0.1	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
26SEP84	.	.	.	.	.	.	0.15	.	.	.	.	0.07	. .	0.1	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	.	.	.	.	.	.	0.21	.	.	.	.	0.16	. .	-0.1	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SOURCE OF SAMPLE=RAM-7A

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL
26SEP84	.	12.30	12000	520	0.04	610	640	.	-5	99	607	1410	30.3	.	3	.	4080	1992	1299	.	.	.
25OCT84	.	12.35	12000	386	0.02	610	644	.	-5	355	659	677	30.5	.	.	.	3510	2624	964	.	.	.
07NOV84	.	12.53	11100	352	28.00	640	610	-0.05	-5	70	670	1080	32.0	.	-1	.	3510	2170	994	.	.	.
11DEC84	.	12.47	10090	390	0.07	630	610	.	-5	62	718	990	31.6	.	-1	.	3520	2237	974	.	.	.

DATE	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE
26SEP84	5.56	.	.	0.5	0.54	.	.	.	16	.	.	.	.	.	.	.	.	.	.	.	0.30	.	.	.	.	.
25OCT84	1.75	.	.	0.5	0.37	.	.	.	18	.	.	.	.	.	.	.	.	.	.	.	0.16	.	.	.	.	.
07NOV84	4.14	.	.	0.5	0.14	.	.	.	17	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	0.20	.	-0.01	-0.01	.	.
11DEC84	5.39	.	.	0.5	0.07	.	.	.	9	.	.	.	.	.	.	.	.	.	.	.	0.18	.	.	.	.	.

DATE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
26SEP84	.	1.13	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
25OCT84	.	0.89	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
07NOV84	-0.01	0.96	-0.01	-0.3	0.3	-0.05	-0.01	.	.	21	.	.	.	-0.1	0.82	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	.	0.87	.	.	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SOURCE OF SAMPLE=RAM-7B

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL
26SEP84	.	11.30	6800	473	0.29	654	880	.	-5	33	58.9	3410	42.1	.	-1	.	5600	251	1182	.	.	.
25OCT84	.	10.29	7050	468	0.08	640	930	.	22	53	-0.5	3380	41.3	.	.	.	5730	141	1169	.	.	.
07NOV84	.	11.15	6900	445	17.00	660	880	-0.05	-5	62	23.2	3430	41.0	.	-1	.	5600	205	1181	.	.	.
11DEC84	.	11.53	6900	463	0.10	690	880	.	-5	43	69.4	3340	36.1	.	-1	.	5580	293	1157	.	.	.

DATE	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	S8	AS	BA	BE	BI	B	CD	CR	CU	GA	GE	PB
26SEP84	5.00	.	.	1.9	1.20	.	.	.	12	.	.	.	.	.	.	.	.	.	.	.	1.29	.	.	.	.	.	.
25OCT84	5.14	.	.	2.0	5.66	.	.	.	14	.	.	.	.	.	.	.	.	.	.	.	1.96	.	.	.	.	.	.
07NOV84	4.07	.	.	1.9	3.47	.	.	.	7	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	1.71	.	-0.01	-0.01	.	.	-0.01
11DEC84	5.09	.	.	1.9	1.71	.	.	.	3	.	.	.	.	.	.	.	.	.	.	.	1.79	.	.	.	.	.	.

DATE	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
26SEP84	1.43	.	.	0.7	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
25OCT84	1.36	.	.	0.8	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
07NOV84	1.36	-0.01	-0.3	1.0	-0.05	-0.01	.	.	9.9	.	.	.	-0.1	-0.01	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	1.33	.	.	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SOURCE OF SAMPLE=RAM-7C

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL
26SEP84	.	10.35	6350	484	2.60	640	840	.	-5	45	3.2	3430	36.1	.	-1	.	5500	102	1219	.	.	.
25OCT84	.	9.56	6630	473	1.75	610	804	.	31	21	-0.5	3380	34.5	.	.	.	5470	77	1188	.	.	.
07NOV84	.	10.00	6200	460	32.00	620	850	-0.05	-5	43	3.0	3460	41.0	.	-1	.	5530	98	1280	.	.	.
11DEC84	.	10.15	6500	480	6.43	630	840	.	15	29	-0.5	3500	35.5	.	-1	.	5500	81	1225	.	.	.

DATE	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	S8	AS	BA	BE	BI	B	CD	CR	CU	GA	GE	PB
26SEP84	4.68	.	.	1.8	0.76	.	.	.	11	.	.	.	.	.	.	.	.	.	.	.	1.74	.	.	.	.	.	.
25OCT84	1.63	.	.	1.8	2.06	.	.	.	18	.	.	.	.	.	.	.	.	.	.	.	1.87	.	.	.	.	.	.
07NOV84	4.37	.	.	1.9	3.99	.	.	.	7	.	.	.	.	.	0.4	.	-0.01	.	-0.01	.	2.04	.	-0.01	-0.01	.	.	-0.01
11DEC84	4.98	.	.	1.9	4.15	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	1.96	.	.	.	.	.	.

DATE	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
26SEP84	1.48	.	.	0.8	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
25OCT84	1.35	.	.	0.9	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
07NOV84	1.46	-0.01	-0.3	0.9	-0.05	-0.01	.	.	9.6	.	.	.	-0.1	-0.01	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	1.38	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SAS

SOURCE OF SAMPLE=RAM-7G

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3
26SEP84	.	7.85	6300	391	17	634	840	.	76	-1	-0.5	3340	51.7	.	-1	.	5350	80	1046	.	.	.	6.40
25OCT84	.	8.55	6150	350	21	604	820	.	75	5	-0.5	3240	38.2	.	.	.	5200	93	960	.	.	.	1.79
07NOV84	.	8.36	5900	332	20	620	810	0.06	67	2	-0.5	3210	36.0	.	-1	.	5140	79	911	.	.	.	6.54
11DEC84	.	8.82	5700	332	17	630	840	.	33	9	-0.5	3200	35.3	.	-1	.	5080	68	899	.	.	.	7.25

DATE	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE	PB
26SEP84	.	.	3.1	1.40	.	.	.	28	.	.	.	.	.	.	.	.	.	.	.	1.85	.	.	.	.	.	.
25OCT84	.	.	2.6	5.35	.	.	.	50	.	.	.	.	.	.	.	.	.	.	.	2.27	.	.	.	.	.	.
07NOV84	.	.	2.9	2.12	.	.	.	22	.	.	.	.	.	-0.1	.	-0.01	.	-0.01	.	2.08	.	-0.01	-0.01	.	.	-0.01
11DEC84	.	.	2.7	3.05	.	.	.	18	.	.	.	.	.	.	.	.	.	.	.	2.16	.	.	.	.	.	.

DATE	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
26SEP84	1.51	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
25OCT84	1.34	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT
07NOV84	1.37	0.66	-0.3	0.1	-0.05	-0.01	.	.	8.8	.	.	.	-0.1	-0.01	.	.	.	1984	RETORT	ABANDONMENT
11DEC84	1.24	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT	ABANDONMENT

SOURCE OF SAMPLE=SOUR WATER

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP PO4	KJEL NH3
03JAN84	.	9.11	6220	43	16	660	1100	0.15	348.0	66.0	-0.5	2460	166.0	.	.	.	4690	423	173	. 0.02	. 15.50
17JAN84	.	8.52	5970	45	14	700	1100	0.11	322.0	15.0	-0.5	2535	143.0	.	.	.	4630	321	170	. 0.02	. 7.06
01FEB84	.	9.24	5800	45	17	660	1000	0.08	318.0	73.0	-0.5	2430	115.0	.	.	.	4430	413	182	. 0.03	. 9.20
19FEB84	.	8.84	5775	42	17	650	980	0.08	359.0	48.6	-0.5	2420	116.0	.	.	.	4320	405	175	. 0.05	. 6.55
01MAR84	.	9.16	5500	41	17	660	990	.	334.0	66.3	-0.5	2353	128.0	.	.	.	4360	412	172	. .	. 6.40
15MAR84	.	8.99	5625	41	17	640	1000	0.04	322.0	56.0	-0.5	2278	208.0	.	-1	.	4365	394	172	. .	. 6.88
03APR84	.	9.03	5000	47	17	580	890	.	332.0	58.0	-0.5	2064	177.0	.	-1	.	3870	398	187	. .	. 6.10
16APR84	.	8.56	4990	49	18	600	910	0.12	298.0	21.0	-0.5	1975	247.0	.	1	.	3740	332	196	. .	. 6.14
01MAY84	.	8.94	5000	51	18	570	840	.	297.0	33.9	-0.5	2023	246.0	.	-1	.	3728	333	201	. .	. 5.74
07MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	. .	. .
26JUN84	.	8.56	4650	100	26	590	780	.	229.0	24.0	-0.5	2410	86.9	.	-1	.	3970	296	357	. .	. 5.98
16JUL84	.	8.30	5800	207	17	630	878	.	192.0	-1.0	-0.5	2890	171.0	.	-1	.	4833	179	587	. .	. 6.29
26SEP84	.	8.29	6000	317	17	630	860	.	95.4	-1.0	-0.5	3120	88.0	.	-1	.	5060	112	862	. .	. 5.48

DATE	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE
03JAN84	.	-0.1	8.60	114.00	.	.	.	31.0	.	.	.	.	.	.	.	-0.01	.	.	.	4.85	.	.	.	.	.
17JAN84	.	-0.1	9.00	116.00	.	-0.1	.	32.0	.	.	.	.	.	0.6	.	-0.01	0.3	-0.01	-0.01	5.00	.	-0.01	-0.01	-0.5	-0.1
01FEB84	.	-0.1	8.55	44.00	.	.	.	28.0	.	.	.	.	.	.	.	-0.01	.	.	.	4.90	.	.	.	.	.
19FEB84	.	-0.1	8.26	70.00	.	-0.1	.	28.0	.	.	.	.	.	0.5	.	-0.01	-0.1	-0.01	-0.01	4.41	.	-0.01	-0.01	-0.5	-0.1
01MAR84	.	.	8.30	38.00	.	.	.	29.0	.	.	.	.	.	.	.	.	.	.	.	4.50	.	.	.	.	.
15MAR84	.	.	8.70	98.00	.	.	.	25.0	.	.	.	.	.	0.5	.	-0.01	.	-0.01	.	3.65	.	-0.01	0.01	.	.
03APR84	.	.	7.70	107.00	.	.	.	23.0	.	.	.	.	.	.	.	.	.	.	.	4.23	.	.	.	.	.
16APR84	.	.	8.30	78.00	.	.	.	23.0	.	.	.	.	.	0.4	.	-0.01	.	-0.01	.	5.37	.	-0.01	-0.01	.	.
01MAY84	.	.	8.00	67.70	.	.	.	18.8	.	.	.	.	.	.	.	.	.	.	.	3.63	.	.	.	.	.
07MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
26JUN84	.	.	5.70	0.49	.	.	.	16.0	.	.	.	.	.	.	.	.	.	.	.	2.90	.	.	.	.	.
16JUL84	.	.	0.40	38.10	.	.	.	20.0	.	.	.	.	.	.	.	.	.	.	.	1.83	.	.	.	.	.
26SEP84	.	.	3.40	2.10	.	.	.	24.0	.	.	.	.	.	.	.	.	.	.	.	2.01	.	.	.	.	.

DATE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
03JAN84	.	.	.	-0.3	1.1	.	-0.01	26	.	.	.	.	.	-0.1	.	.	.	.	1984		RETORT ABANDONMENT
17JAN84	-0.01	1.65	0.01	-0.3	1.5	-0.05	-0.01	24	.	2.87	.	-0.5	.	-0.1	0.01	-10	.	.	1984		RETORT ABANDONMENT
01FEB84	.	.	.	0.4	1.0	.	-0.01	25	.	.	.	.	.	0.3	.	.	.	.	1984		RETORT ABANDONMENT
19FEB84	-0.01	1.41	-0.01	-0.3	1.3	-0.05	-0.01	24	.	2.94	.	-0.5	.	-0.1	0.02	-10	.	.	1984		RETORT ABANDONMENT
01MAR84	.	1.44	.	.	1.8	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
15MAR84	-0.01	1.28	-0.01	-0.3	1.2	-0.05	-0.01	.	.	3.28	.	.	.	-0.1	0.02	.	.	.	1984		RETORT ABANDONMENT
03APR84	.	1.28	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
16APR84	-0.01	1.25	-0.01	-0.3	0.9	-0.05	-0.01	.	.	2.95	.	.	.	0.1	0.01	.	.	.	1984		RETORT ABANDONMENT
01MAY84	.	1.23	.	.	1.5	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
07MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26JUN84	.	1.36	.	.	1.5	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
16JUL84	.	1.58	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT
26SEP84	.	1.63	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YERPOND

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP PO4	KJEL NH3
12JAN84	.	9.3	6250	20	81	1100	430	0.13	736	178	-0.5	2230	158	.	.	.	4810	929	383	. 0.02	. 13.1
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	. .	. .

DATE	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS	BA	BE	BI	B	CD	CR	CU	GA	GE
12JAN84	.	-0.1	9.4	4.71	.	-0.1	.	100	.	.	.	.	.	-0.1	.	-0.01	-0.1	-0.01	-0.01	2.1	.	-0.01	-0.01	-0.5	-0.1
01MAY84	.	.	.	.	.	.	.	81	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

DATE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
12JAN84	-0.01	1	0.05	-0.3	0.6	-0.05	-0.01	23	.	3.2	.	-0.5	.	-0.1	0.03	-10	.	.	1984		RETORT ABANDONMENT
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-1

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP PO4	KJEL NH3
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	66.7	.	.	. .	. .

DATE	BAE	BBE	BBI	BCD	CCR	CCU	CGA	GGE	PBI	LIN	MHG	MOL	NIE	SE	SIO2	AGR	SNI	TIW	V	ZNR	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-10

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OGG	BOD	COD	AL	SB	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	156	.	.	.	.	.	.	.	.

DATE	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-11

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OGG	BOD	COD	AL	SB	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	55.1	.	.	.	.	.	.	.	.

DATE	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-12

DATE	TEMP	PH	SPC-COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	P04	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHEG	BOD	COD	AL	B	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	158	.	.	.	.	.	.	.

DATE	BAE	BEI	BIB	CDR	CRU	CUA	GAE	GEB	PIN	LMG	MNG	HOL	CLI	NSE	SO2	TDS	ASR	SNI	TIW	VZN	ZNR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-2

DATE	TEMP	PH	SPC-COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	P04	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHEG	BOD	COD	AL	B	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	38.3	.	.	.	.	.	.	.

DATE	BAE	BEI	BIB	CDR	CRU	CUA	GAE	GEB	PIN	LMG	MNG	HOL	CLI	NSE	SO2	TDS	ASR	SNI	TIW	VZN	ZNR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-3

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	24.5	.	.	.	.	.	.	.

DATE	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-4

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARD	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	26.4	.	.	.	.	.	.	.

DATE	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-5

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSCN	TSO4	TDS	ALK	HARD	ORTHOP	POE4	KJEL	NH3	NO2	NO3	FS	SO3	BOD	TOC	DOC	CN	PHEG	BOD	COD	ALB	ASA
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	99.5	.	.	.	.	.	.

DATE	BAE	BEI	BIB	CDR	CRU	CUA	GAE	GEB	PBI	LIN	MNG	HGL	MOLI	NSE	SIO2	OAG	ASR	SNI	STW	VZN	ZNR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SOURCE OF SAMPLE=YSWPOND-6

DATE	TEMP	PH	SPCOND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TSCN	TSO4	TDS	ALK	HARD	ORTHOP	POE4	KJEL	NH3	NO2	NO3	FS	SO3	BOD	TOC	DOC	CN	PHEG	BOD	COD	ALB	ASA
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	69.9	.	.	.	.	.	.

DATE	BAE	BEI	BIB	CDR	CRU	CUA	GAE	GEB	PBI	LIN	MNG	HGL	MOLI	NSE	SIO2	OAG	ASR	SNI	STW	VZN	ZNR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANDONMENT

SAS

SOURCE OF SAMPLE=YSWPOND-7

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TOS	ALK	HARO	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	DOC	CN	PHE	OG	BOD	COD	AL	SB	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	21.8	.	.	.	.	.	.	.	.

DATE	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT ABANOONMENT

SOURCE OF SAMPLE=YSWPOND-8

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TDS	ALK	HARO	ORTHOP	PO4	KJEL	NH3	NO2	NO3	F	S	SO3	BR	TOC	OOC	CN	PHE	OG	BOD	COD	AL	SB	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	150	.	.	.	.	.	.	.	.

DATE	BA	BE	BI	B	CO	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984	RETORT ABANDONMENT

SAS

SOURCE OF SAMPLE=YSWPOND-9

DATE	TEMP	PH	SPC_COND	CA	MG	NA	K	FE	HCO3	CO3	OH	SO4	CL	TSS	TCN	TSO4	TOS	ALK	HARO	ORTHOP	P04	KJEL	NH3	N02	N03	F	S	SO3	BR	TOC	OOC	CN	PHE	OG	BOD	COO	AL	SB	AS
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	65.2	.	.	.	.	.	.	.	.

DATE	BA	BE	BI	B	CD	CR	CU	GA	GE	PB	LI	MN	HG	MOL	NI	SE	SIO2	AG	SR	SN	TI	W	V	ZN	ZR	ALPHA	BETA	RPTYR	CHAR	TYPE
01MAY84	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1984		RETORT ABANOONMENT

APPENDIX 6-O

Special Studies/Ecological Interrelationships

APPENDIX 6-1

Experimental Revegetation Data and Analyses

APPENDIX 6-1.1

Plot R-1 Experimental Revegetation Data

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	0	13	3.3
LINUM LEWISII	9	6	7	7	7.3
MELILOTUS OFFICINALIS	45	55	45	28	43.3
SUBTOTAL					53.8
GRASS - PLANTED					
AGROPYRON SPECIES	30	25	20	12	21.8
AGROPYRON TRICHOPHORUM	0	0	0	7	1.8
SUBTOTAL					23.5
SHRUB - PLANTED					
CERATOIDES LANATA	2	0	0	0	0.5
CHRYSOTHAMNUS NAUSEOSUS	0	4	1	4	2.3
SUBTOTAL					2.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	4	0	0	0	1.0
SUBTOTAL					1.0
TOTAL PLANTED SPECIES					80.0
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					81.0

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	5	10	23	10	12.0
MELILOTUS OFFICINALIS	35	10	4	30	19.8
SUBTOTAL					31.8
FORB - INVADED					
IPOMOPSIS AGGREGATA	1	0	0	1	0.5
MACHAERANTHERA PATTERSONII	0	0	0	1	0.3
PHLOX HOODII	0	0	1	0	0.3
UNKNOWN FORB	2	0	0	0	0.5
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	25	14	15	15	17.3
SUBTOTAL					17.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	4	0	3	1.8
ATRIPLEX CANESCENS	2	2	0	0	1.0
CERATOIDES LANATA	0	0	2	1	0.8
CHRYSOTHAMNUS NAUSEOSUS	0	3	0	1	1.0
SUBTOTAL					4.5
TOTAL PLANTED SPECIES					53.5
TOTAL INVADED SPECIES					1.5
GRAND TOTAL					55.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	0	1	3	0	1.0
MELILOTUS OFFICINALIS	20	18	4	17	14.8
SUBTOTAL					15.8
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	0	1	0.3
MACHAERANTHERA PATTERSONII	0	1	3	0	1.0
SENECIO MULTILOBATUS	1	0	0	0	0.3
TARAXACUM OFFICINALE	0	0	0	2	0.5
UNKNOWN FORB	1	0	0	1	0.5
SUBTOTAL					2.5
GRASS - PLANTED					
AGROPYRON SPECIES	40	55	25	30	37.5
SUBTOTAL					37.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	1	0	0	5	1.5
CHRYSOTHAMNUS NAUSEOSUS	1	15	0	2	4.5
SUBTOTAL					6.0
TOTAL PLANTED SPECIES					59.3
TOTAL INVADED SPECIES					2.5
GRAND TOTAL					61.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	0	3	0	0	0.8
MELILOTUS OFFICINALIS	55	45	65	40	51.3
PENSTEMON STRICTUS	1	0	0	0	0.3
SUBTOTAL					52.3
GRASS - PLANTED					
AGROPYRON SPECIES	18	15	30	35	24.5
SUBTOTAL					24.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	2	2	2	0	1.5
CERATOIDES LANATA	0	0	0	2	0.5
CHRYSOTHAMNUS NAUSEOSUS	0	10	2	0	3.0
SUBTOTAL					5.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	8	0	2.0
SUBTOTAL					2.0
TOTAL PLANTED SPECIES					81.8
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					83.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS				TREATMENT PLOT
	#5	#6	#7	#8	AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	1	0	4	0	1.3
LINUM LEWISII	4	4	12	9	7.3
MELILOTUS OFFICINALIS	4	30	25	45	26.0
SUBTOTAL					34.5
GRASS - PLANTED					
AGROPYRON SPECIES	45	30	18	12	26.3
SUBTOTAL					26.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	1	2	1	1.0
CERATOIDES LANATA	2	1	0	1	1.0
CHRYSOTHAMNUS NAUSEOSUS	3	20	0	0	5.8
SUBTOTAL					7.8
TOTAL PLANTED SPECIES					68.5
TOTAL INVADED SPECIES					0.0
GRAND TOTAL					68.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	6	0	4	0	2.5
LINUM LEWISII	5	1	3	6	3.8
MELILOTUS OFFICINALIS	20	28	20	13	20.3
SUBTOTAL					26.5
FORB - INVADED					
ASTER SPECIES	0	1	0	2	0.8
HAPLOPAPPUS NUTTALLII	0	1	0	0	0.3
UNKNOWN FORB	0	1	0	0	0.3
SUBTOTAL					1.3
GRASS - PLANTED					
AGROPYRON SPECIES	25	18	25	25	23.3
SUBTOTAL					23.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	13	0	0	3.3
ATRIPLEX CANESCENS	0	0	0	4	1.0
CHRYSOTHAMNUS NAUSEOSUS	5	0	2	0	1.8
SUBTOTAL					6.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	3	0	0	0	0.8
SUBTOTAL					0.8
TOTAL PLANTED SPECIES					55.8
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					57.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	18	3	5.3
LINUM LEWISII	1	10	5	9	6.3
MELILOTUS OFFICINALIS	12	70	5	30	29.3
SUBTOTAL					40.8
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	0	0	1	0.3
SUBTOTAL					0.3
GRASS - PLANTED					
AGROPYRON SPECIES	70	20	28	35	38.3
SUBTOTAL					38.3
SHRUB - PLANTED					
CERATOIDES LANATA	5	3	0	0	2.0
CHRYSOTHAMNUS NAUSEOSUS	4	4	10	.	4.5
PURSHIA TRIDENTATA	5	0	0	0	1.3
SUBTOTAL					7.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	3	0	0	0	0.8
SUBTOTAL					0.8
TOTAL PLANTED SPECIES					86.8
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					87.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	0	3	1	4	2.0
MELILOTUS OFFICINALIS	25	35	8	18	21.5
SUBTOTAL					23.5
GRASS - PLANTED					
AGROPYRON SPECIES	35	55	25	55	42.5
SUBTOTAL					42.5
SHRUB - PLANTED					
CERATOIDES LANATA	2	0	1	0	0.8
CHRYSOTHAMNUS NAUSEOSUS	1	4	0	9	3.5
SUBTOTAL					4.3
TOTAL PLANTED SPECIES					70.3
TOTAL INVADED SPECIES					0.0
GRAND TOTAL					70.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	8	0	0	0	2.0
LINUM LEWISII	4	2	5	3	3.5
MELILOTUS OFFICINALIS	5	35	2	28	17.5
SUBTOTAL					23.0
FORB - INVADED					
MACHAERANTHERA PATTERSONII	1	0	0	0	0.3
SUBTOTAL					0.3
GRASS - PLANTED					
AGROPYRON SPECIES	28	18	35	25	26.5
SUBTOTAL					26.5
SHRUB - PLANTED					
CERATOIDES LANATA	0	0	1	1	0.5
CHRYSOTHAMNUS NAUSEOSUS	12	0	0	9	5.3
PURSHIA TRIDENTATA	0	0	1	0	0.3
SUBTOTAL					6.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	3	0	0	0	0.8
SUBTOTAL					0.8
TOTAL PLANTED SPECIES					55.5
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					56.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	23	35	0	0	14.5
LINUM LEWISII	12	18	8	5	10.8
MELILOTUS OFFICINALIS	18	0	15	18	12.8
SUBTOTAL					38.0
FORB - INVADED					
CRYPTANTHA SERICEA	0	0	4	1	1.3
MACHAERANTHERA PATTERSONII	1	1	0	0	0.5
SUBTOTAL					1.8
GRASS - PLANTED					
AGROPYRON SPECIES	12	10	40	14	19.0
ORYZOPSIS HYMENOIDES	3	0	0	0	0.8
SUBTOTAL					19.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	0	2	0.5
CERATOIDES LANATA	0	0	3	0	0.8
CHRYSOTHAMNUS NAUSEOSUS	0	12	3	2	4.3
SUBTOTAL					5.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	10	2.5
SUBTOTAL					2.5
TOTAL PLANTED SPECIES					63.3
TOTAL INVADED SPECIES					4.3
GRAND TOTAL					67.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	3	0	0	0	0.8
LINUM LEWISII	0	0	1	4	1.3
MELILOTUS OFFICINALIS	2	65	40	10	29.3
SUBTOTAL					31.3
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	1	0	0	0.3
SUBTOTAL					0.3
GRASS - PLANTED					
AGROPYRON SPECIES	40	12	15	20	21.8
SUBTOTAL					21.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	2	0	0	0	0.5
CERATOIDES LANATA	0	0	0	3	0.8
CHRYSOTHAMNUS NAUSEOSUS	10	3	4	4	5.3
SUBTOTAL					6.5
TOTAL PLANTED SPECIES					59.5
TOTAL INVADED SPECIES					0.3
GRAND TOTAL					59.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	8	3	0	6	4.3
MELILOTUS OFFICINALIS	25	28	40	35	32.0
SUBTOTAL					36.3
FORB - INVADED					
ASTER SPECIES	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	1	0	0	1	0.5
SUBTOTAL					0.8
GRASS - PLANTED					
AGROPYRON SPECIES	20	20	35	12	21.8
SUBTOTAL					21.8
SHRUB - PLANTED					
ATRIPLEX CANESCENS	8	0	0	0	2.0
CHRYSOTHAMNUS NAUSEOSUS	0	0	30	9	9.8
SUBTOTAL					11.8
TOTAL PLANTED SPECIES					69.8
TOTAL INVADED SPECIES					0.8
GRAND TOTAL					70.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	8	14	14	2	9.5
LINUM LEWISII	4	4	6	8	5.5
MELILOTUS OFFICINALIS	45	30	20	40	33.8
SUBTOTAL					48.8
FORB - INVADED					
IPOMOPSIS AGGREGATA	0	0	1	1	0.5
SENECIO MULTILOBATUS	0	0	1	0	0.3
SUBTOTAL					0.8
GRASS - PLANTED					
AGROPYRON SPECIES	25	25	25	8	20.8
ORYZOPSIS HYMENOIDES	3	0	0	5	2.0
SUBTOTAL					22.8
SHRUB - PLANTED					
CERATOIDES LANATA	1	0	3	0	1.0
CERCOCARPUS MONTANUS	0	1	0	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	1	3	5	5	3.5
PURSHIA TRIDENTATA	1	3	0	0	1.0
SUBTOTAL					5.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	1	0	0	0	0.3
SUBTOTAL					0.3
TOTAL PLANTED SPECIES					77.3
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					78.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	0	2	0.5
HEDYSARUM UTAHENSIS	0	0	0	3	0.8
LINUM LEWISII	10	10	14	2	9.0
MELILOTUS OFFICINALIS	18	18	25	23	21.0
SUBTOTAL					31.3
FORB - INVADED					
IPOMOPSIS AGGREGATA	0	0	1	0	0.3
UNKNOWN FORB	0	3	0	0	0.8
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	25	35	25	40	31.3
SUBTOTAL					31.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	2	0	0	1	0.8
CHRYSOTHAMNUS NAUSEOSUS	0	0	0	12	3.0
SUBTOTAL					3.8
TOTAL PLANTED SPECIES					66.3
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					67.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	3	4	0	1.8
LINUM LEWISII	3	5	5	10	5.8
MELILOTUS OFFICINALIS	15	3	6	6	7.5
PENSTEMON STRICTUS	0	0	0	2	0.5
SUBTOTAL					15.5
FORB - INVADED					
HAPLOPAPPUS NUTTALLII	1	1	0	0	0.5
PHLOX HOODII	1	0	0	0	0.3
SENECIO MULTILOBATUS	0	1	2	.	0.8
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	15	25	28	10	19.5
SUBTOTAL					19.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	1	7	7	0	3.8
ATRIPLEX CANESCENS	0	0	0	3	0.8
CHRYSOTHAMNUS NAUSEOSUS	1	0	6	0	1.8
PURSHIA TRIDENTATA	0	0	0	1	0.3
SUBTOTAL					6.5
TOTAL PLANTED SPECIES					41.5
TOTAL INVADED SPECIES					1.5
GRAND TOTAL					43.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	11	12	0	5	7.0
LINUM LEWISII	14	15	3	5	9.3
MELILOTUS OFFICINALIS	18	15	13	35	20.3
SUBTOTAL					36.5
FORB - INVADED					
COMANDRA UMBELLATA	0	0	12	0	3.0
HAPLOPAPPUS NUTTALLII	0	0	2	0	0.5
IPOMOPSIS AGGREGATA	2	0	1	2	1.3
SENECIO MULTILOBATUS	0	1	1	0	0.5
UNKNOWN FORB	2	2	0	0	1.0
SUBTOTAL					6.3
GRASS - PLANTED					
AGROPYRON SPECIES	12	5	35	14	16.5
ORYZOPSIS HYMENOIDES	0	1	0	0	0.3
SUBTOTAL					16.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	0	3	0.8
CERATOIDES LANATA	0	0	0	1	0.3
CHRYSOTHAMNUS NAUSEOSUS	8	3	3	3	4.3
PURSHIA TRIDENTATA	0	0	5	0	1.3
SUBTOTAL					6.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	2	2	0	0	1.0
SUBTOTAL					1.0
TOTAL PLANTED SPECIES					59.8
TOTAL INVADED SPECIES					7.3
GRAND TOTAL					67.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	18	0	0	5	5.8
LINUM LEWISII	2	0	3	3	2.0
MELILOTUS OFFICINALIS	3	18	45	35	25.3
SUBTOTAL					33.0
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	1	0	0.3
IPOMOPSIS AGGREGATA	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	0	1	1	0	0.5
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	30	45	10	18	25.8
SUBTOTAL					25.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	12	0	3.0
CERATOIDES LANATA	0	0	0	2	0.5
CHRYSOTHAMNUS NAUSEOSUS	3	12	4	8	6.8
CHRYSOTHAMNUS VISCIDIFLORUS	0	0	10	0	2.5
SUBTOTAL					12.8
TOTAL PLANTED SPECIES					71.5
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					72.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	10	0	0	2.5
LINUM LEWISII	3	5	18	35	15.3
MELILOTUS OFFICINALIS	45	22	10	8	21.3
SUBTOTAL					39.0
FORB - INVADED					
ASTER SPECIES	0	1	0	10	2.8
IPOMOPSIS AGGREGATA	1	0	0	0	0.3
MACHAERANTHERA PATTERSONII	0	1	0	2	0.8
PHYSARIA FLORIBUNDA	0	0	1	2	0.8
SUBTOTAL					4.5
GRASS - PLANTED					
AGROPYRON SPECIES	14	25	12	15	16.5
SUBTOTAL					16.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	11	0	0	0	2.8
CERATOIDES LANATA	0	0	1	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	1	1	6	0	2.0
SUBTOTAL					5.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	5	0	1.3
SUBTOTAL					1.3
TOTAL PLANTED SPECIES					60.5
TOTAL INVADED SPECIES					5.8
GRAND TOTAL					66.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	8	0	10	8	6.5
LINUM LEWISII	0	8	0	3	2.8
MELILOTUS OFFICINALIS	30	65	60	45	50.0
SUBTOTAL					59.3
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	1	0	1	0.5
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	6	10	30	28	18.5
ELYMUS CINEREUS	3	0	0	0	0.8
SUBTOTAL					19.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	35	0	3	16	13.5
CHRYSOTHAMNUS VISCIDIFLORUS	0	15	0	0	3.8
PURSHIA TRIDENTATA	0	0	5	0	1.3
SUBTOTAL					18.5
TOTAL PLANTED SPECIES					97.0
TOTAL INVADED SPECIES					0.5
GRAND TOTAL					97.5

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	1	2	3	8	3.5
MELILOTUS OFFICINALIS	28	18	18	35	24.8
SUBTOTAL					28.3
FORB - INVADED					
ASTER SPECIES	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	0	1	0	0	0.3
PHLOX HOODII	2	0	0	0	0.5
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	30	25	40	18	28.3
AGROPYRON TRICHOPHORUM	0	3	0	0	0.8
SUBTOTAL					29.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	1	0	0	0	0.3
CERATOIDES LANATA	2	0	6	1	2.3
CHRYSOTHAMNUS NAUSEOSUS	7	6	3	0	4.0
SUBTOTAL					6.5
TOTAL PLANTED SPECIES					63.8
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					64.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	0	4	1.0
LINUM LEWISII	1	0	20	6	6.8
MELILOTUS OFFICINALIS	0	8	10	10	7.0
SUBTOTAL					14.8
FORB - INVADED					
CHAENACTIS DOUGLASII	1	0	.	.	0.3
MACHAERANTHERA PATTERSONII	0	0	1	0	0.3
PHLOX HOODII	0	0	1	0	0.3
PHYSARIA FLORIBUNDA	0	0	1	0	0.3
SENECIO MULTILOBATUS	0	0	0	1	0.3
SUBTOTAL					1.3
GRASS - PLANTED					
AGROPYRON SPECIES	35	20	5	8	17.0
SUBTOTAL					17.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	5	1	17	5.8
CERATOIDES LANATA	3	0	0	4	1.8
CHRYSOTHAMNUS NAUSEOSUS	14	1	0	0	3.8
CHRYSOTHAMNUS VISCIDIFLORUS	0	0	0	4	1.0
SUBTOTAL					12.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	4	1.0
SUBTOTAL					1.0
TOTAL PLANTED SPECIES					44.0
TOTAL INVADED SPECIES					2.3
GRAND TOTAL					46.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	3	6	0	5	3.5
LINUM LEWISII	2	4	1	5	3.0
MELILOTUS OFFICINALIS	30	35	50	35	37.5
SUBTOTAL					44.0
FORB - INVADED					
MACHAERANTHERA PATTERSONII	2	1	0	1	1.0
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	65	15	30	18	32.0
ORYZOPSIS HYMENOIDES	0	2	0	0	0.5
SUBTOTAL					32.5
GRASS - INVADED					
AGROPYRON CRISTATUM	0	4	0	0	1.0
SUBTOTAL					1.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	0	1	0.3
CERATOIDES LANATA	0	0	0	2	0.5
CHRYSOTHAMNUS NAUSEOSUS	0	12	1	0	3.3
SUBTOTAL					4.0
TOTAL PLANTED SPECIES					80.5
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					82.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	0	10	0	3.8
LINUM LEWISII	5	3	10	12	7.5
MELILOTUS OFFICINALIS	17	35	18	55	31.3
SUBTOTAL					42.5
FORB - INVADED					
ASTER SPECIES	0	0	1	0	0.3
SUBTOTAL					0.3
GRASS - PLANTED					
AGROPYRON SPECIES	12	15	12	10	12.3
SUBTOTAL					12.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	4	2	1	1.8
CHRYSOTHAMNUS NAUSEOSUS	10	15	0	15	10.0
SUBTOTAL					11.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	5	0	0	0	1.3
SUBTOTAL					1.3
TOTAL PLANTED SPECIES					66.5
TOTAL INVADED SPECIES					1.5
GRAND TOTAL					68.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	3	0	3	1.5
LINUM LEWISII	4	0	1	2	1.8
MELILOTUS OFFICINALIS	35	15	15	45	27.5
SUBTOTAL					30.8
FORB - INVADED					
ASTER SPECIES	0	0	0	1	0.3
CRYPTANTHA SERICEA	0	0	3	0	0.8
HAPLOPAPPUS NUTTALLII	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	2	0	1	0	0.8
SUBTOTAL					2.0
GRASS - PLANTED					
AGROPYRON SPECIES	0	35	18	18	17.8
ORYZOPSIS HYMENOIDES	5	0	0	0	1.3
SUBTOTAL					19.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	4	0	0	0	1.0
ATRIPLEX CANESCENS	0	0	4	0	1.0
CERATOIDES LANATA	0	0	2	0	0.5
CHRYSOTHAMNUS NAUSEOSUS	0	3	0	5	2.0
SUBTOTAL					4.5
TOTAL PLANTED SPECIES					54.3
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					56.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	20	0	5.0
HEDYSARUM UTAHENSIS	0	0	0	3	0.8
LINUM LEWISII	3	7	3	2	3.8
MELILOTUS OFFICINALIS	14	1	4	28	11.8
SUBTOTAL					21.3
FORB - INVADED					
COMANDRA UMBELLATA	0	0	0	3	0.8
HAPLOPAPPUS NUTTALLII	0	5	0	2	1.8
IPOMOPSIS AGGREGATA	0	1	0	0	0.3
PHYSARIA FLORIBUNDA	0	0	1	0	0.3
SUBTOTAL					3.0
GRASS - PLANTED					
AGROPYRON SPECIES	40	35	20	12	26.8
SUBTOTAL					26.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	4	24	7.0
CHRYSOTHAMNUS NAUSEOSUS	2	2	0	0	1.0
SUBTOTAL					8.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	1	0	4	0	1.3
SUBTOTAL					1.3
TOTAL PLANTED SPECIES					56.0
TOTAL INVADED SPECIES					4.3
GRAND TOTAL					60.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	7	2	3	4	4.0
MELILOTUS OFFICINALIS	30	18	10	40	24.5
SUBTOTAL					28.5
FORB - INVADED					
ASTER SPECIES	0	0	1	0	0.3
CHAENACTIS DOUGLASII	0	1	0	0	0.3
HAPLOPAPPUS NUTTALLII	0	2	0	0	0.5
MACHAERANTHERA PATTERSONII	0	1	0	0	0.3
SUBTOTAL					1.3
GRASS - PLANTED					
AGROPYRON SPECIES	6	16	35	5	15.5
SUBTOTAL					15.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	30	5	5	17	14.3
CHRYSOTHAMNUS VISCIDIFLORUS	0	0	3	0	0.8
SUBTOTAL					15.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	5	1.3
SUBTOTAL					1.3
TOTAL PLANTED SPECIES					59.0
TOTAL INVADED SPECIES					2.5
GRAND TOTAL					61.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	3	0	0	18	5.3
HEDYSARUM UTAHENSIS	0	0	4	0	1.0
LINUM LEWISII	4	2	7	5	4.5
MELILOTUS OFFICINALIS	10	0	10	3	5.8
SUBTOTAL					16.5
FORB - INVADED					
ASTER SPECIES	0	0	2	0	0.5
CHAENACTIS DOUGLASII	0	1	0	0	0.3
HAPLOPAPPUS NUTTALLII	1	1	0	0	0.5
IPOMOPSIS AGGREGATA	0	0	0	3	0.8
MACHAERANTHERA PATTERSONII	0	1	1	1	0.8
SUBTOTAL					2.8
GRASS - PLANTED					
AGROPYRON SPECIES	18	30	25	30	25.8
SUBTOTAL					25.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	1	0	0	0.3
CERATOIDES LANATA	3	0	2	0	1.3
CERCOCARPUS MONTANUS	0	1	0	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	4	5	3	2	3.5
PURSHIA TRIDENTATA	0	5	3	2	2.5
SUBTOTAL					7.8
TOTAL PLANTED SPECIES					50.0
TOTAL INVADED SPECIES					2.8
GRAND TOTAL					52.8

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	4	6	40	12	15.5
LINUM LEWISII	5	12	3	10	7.5
MELILOTUS OFFICINALIS	10	4	0	0	3.5
SUBTOTAL					26.5
FORB - INVADED					
CHAENACTIS DOUGLASII	1	0	0	0	0.3
HAPLOPAPPUS NUTTALLII	0	1	1	0	0.5
IPOMOPSIS AGGREGATA	4	0	0	1	1.3
SENECIO MULTILOBATUS	0	1	0	0	0.3
TARAXACUM OFFICINALE	0	2	0	0	0.5
SUBTOTAL					2.8
GRASS - PLANTED					
AGROPYRON SPECIES	12	20	20	18	17.5
SUBTOTAL					17.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	18	2	7	0	6.8
ATRIPLEX CANESCENS	0	0	15	6	5.3
CERATOIDES LANATA	0	0	3	1	1.0
CHRYSOTHAMNUS NAUSEOSUS	7	0	3	0	2.5
PURSHIA TRIDENTATA	0	0	1	3	1.0
SUBTOTAL					16.5
TOTAL PLANTED SPECIES					60.5
TOTAL INVADED SPECIES					2.8
GRAND TOTAL					63.3

APPENDIX

PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	6	0	3	5	3.5
HEDYSARUM UTAHENSIS	0	0	0	4	1.0
LINUM LEWISII	5	12	10	1	7.0
MELILOTUS OFFICINALIS	8	12	20	25	16.3
SUBTOTAL					27.8
FORB - INVADED					
IPOMOPSIS AGGREGATA	0	0	0	3	0.8
SUBTOTAL					0.8
GRASS - PLANTED					
AGROPYRON SPECIES	65	45	15	18	35.8
SUBTOTAL					35.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	3	0	0.8
ATRIPLEX CANESCENS	0	0	0	4	1.0
CHRYSOTHAMNUS NAUSEOSUS	0	13	0	0	3.3
SUBTOTAL					5.0
TOTAL PLANTED SPECIES					68.5
TOTAL INVADED SPECIES					0.8
GRAND TOTAL					69.3

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	4	2	1.5
HEDYSARUM UTAHENSIS	1	0	5	0	1.5
LINUM LEWISII	5	4	9	8	6.5
SUBTOTAL					9.5
FORB - INVADED					
ASTER SPECIES	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	1	1	0	0	0.5
PHYSARIA FLORIBUNDA	0	2	0	0	0.5
SENECIO MULTILOBATUS	0	1	0	2	0.8
SUBTOTAL					2.0
GRASS - PLANTED					
AGROPYRON SPECIES	50	22	18	22	28.0
SUBTOTAL					28.0
SHRUB - PLANTED					
CERATOIDES LANATA	1	0	0	1	0.5
CHRYSOTHAMNUS NAUSEOSUS	4	15	5	0	6.0
SUBTOTAL					6.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	4	0	0	1.0
SUBTOTAL					1.0
TOTAL PLANTED SPECIES					44.0
TOTAL INVADED SPECIES					3.0
GRAND TOTAL					47.0

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	15	2	0	40	14.3
LINUM LEWISII	11	7	5	4	6.8
MELILOTUS OFFICINALIS	4	35	28	12	19.8
PENSTEMON STRICTUS	0	0	0	2	0.5
SUBTOTAL					41.3
FORB - INVADED					
HAPLOPAPPUS NUTTALLII	1	13	5	0	4.8
IPOMOPSIS AGGREGATA	0	0	1	2	0.8
MACHAERANTHERA PATTERSONII	3	1	1	1	1.5
SUBTOTAL					7.0
GRASS - PLANTED					
AGROPYRON SPECIES	10	5	9	20	11.0
SUBTOTAL					11.0
GRASS - INVADED					
AGROPYRON CRISTATUM	2	0	0	0	0.5
SUBTOTAL					0.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	13	3	4.0
CHRYSOTHAMNUS NAUSEOSUS	5	0	5	2	3.0
SUBTOTAL					7.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	4	4	0	0	2.0
SUBTOTAL					2.0
TOTAL PLANTED SPECIES					59.3
TOTAL INVADED SPECIES					9.5
GRAND TOTAL					68.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	4	0	2	7	3.3
LINUM LEWISII	3	15	7	2	6.8
MELILOTUS OFFICINALIS	22	25	15	10	18.0
SUBTOTAL					28.0
FORB - INVADED					
IPOMOPSIS AGGREGATA	0	1	0	0	0.3
SENECIO MULTILOBATUS	0	0	0	1	0.3
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	18	12	20	45	23.8
ORYZOPSIS HYMENOIDES	3	0	0	0	0.8
SUBTOTAL					24.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	1	0	1	0	0.5
CERATOIDES LANATA	0	1	4	0	1.3
SUBTOTAL					1.8
TOTAL PLANTED SPECIES					54.3
TOTAL INVADED SPECIES					0.5
GRAND TOTAL					54.8

APPENDIX

PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	3	9	12	12	9.0
MELILOTUS OFFICINALIS	14	0	4	3	5.3
SUBTOTAL					14.3
FORB - INVADED					
CRYPTANTHA SERICEA	1	0	0	1	0.5
IPOMOPSIS AGGREGATA	0	0	2	0	0.5
MACHAERANTHERA PATTERSONII	1	2	1	0	1.0
SENECIO MULTILOBATUS	0	1	0	0	0.3
UNKNOWN FORB	1	0	1	0	0.5
SUBTOTAL					2.8
GRASS - PLANTED					
AGROPYRON SPECIES	15	20	18	10	15.8
SUBTOTAL					15.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	1	0	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	2	0	3	3	2.0
SUBTOTAL					2.3
TOTAL PLANTED SPECIES					32.3
TOTAL INVADED SPECIES					2.8
GRAND TOTAL					35.0

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	11	4	12	0	6.8
LINUM LEWISII	2	6	3	2	3.3
MELILOTUS OFFICINALIS	8	1	9	0	4.5
SUBTOTAL					14.5
FORB - INVADED					
MACHAERANTHERA PATTERSONII	1	0	1	0	0.5
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	35	30	60	65	47.5
ORYZOPSIS HYMENOIDES	0	0	3	0	0.8
SUBTOTAL					48.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	0	8	2.0
ATRIPLEX CANESCENS	0	0	0	3	0.8
CHRYSOTHAMNUS NAUSEOSUS	1	5	1	0	1.8
PURSHIA TRIDENTATA	0	0	2	0	0.5
SUBTOTAL					5.0
TOTAL PLANTED SPECIES					67.8
TOTAL INVADED SPECIES					0.5
GRAND TOTAL					68.3

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	7	4	2.8
LINUM LEWISII	8	8	15	10	10.3
MELILOTUS OFFICINALIS	25	1	0	1	6.8
SUBTOTAL					19.8
FORB - INVADED					
PHLOX HOODII	0	0	0	2	0.5
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	12	8	14	20	13.5
ORYZOPSIS HYMENOIDES	0	3	0	0	0.8
SUBTOTAL					14.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	1	0	0	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	6	3	0	4	3.3
PURSHIA TRIDENTATA	0	12	0	0	3.0
SUBTOTAL					6.5
TOTAL PLANTED SPECIES					40.5
TOTAL INVADED SPECIES					0.5
GRAND TOTAL					41.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	4	6	1	0	2.8
MELILOTUS OFFICINALIS	12	0	15	0	6.8
SUBTOTAL					9.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	2	2	1.0
CRYPTANTHA SERICEA	0	0	0	1	0.3
HAPLOPAPPUS NUTTALLII	1	0	3	0	1.0
IPOMOPSIS AGGREGATA	0	3	0	0	0.8
MACHAERANTHERA PATTERSONII	0	1	0	2	0.8
SUBTOTAL					3.8
GRASS - PLANTED					
AGROPYRON SPECIES	18	20	12	40	22.5
SUBTOTAL					22.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	2	0	6	12	5.0
CHRYSOTHAMNUS NAUSEOSUS	0	0	3	3	1.5
CHRYSOTHAMNUS VISCIDIFLORUS	0	0	3	0	0.8
SUBTOTAL					7.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	3	0	0	0.8
SUBTOTAL					0.8
TOTAL PLANTED SPECIES					39.3
TOTAL INVADED SPECIES					4.5
GRAND TOTAL					43.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	30	18	0	0	12.0
LINUM LEWISII	7	3	9	5	6.0
MELILOTUS OFFICINALIS	35	20	15	0	17.5
SUBTOTAL					35.5
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	0	1	0	0.3
SENECIO MULTILOBATUS	0	0	0	1	0.3
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	30	28	30	80	42.0
SUBTOTAL					42.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	3	0	0	0.8
CERATOIDES LANATA	0	0	1	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	0	10	0	0	2.5
SUBTOTAL					3.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	4	6	0	2.5
SUBTOTAL					2.5
TOTAL PLANTED SPECIES					81.0
TOTAL INVADED SPECIES					3.0
GRAND TOTAL					84.0

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	18	0	0	4.5
HEDYSARUM UTAHENSIS	2	0	5	0	1.8
LINUM LEWISII	5	3	2	3	3.3
MELILOTUS OFFICINALIS	4	5	1	12	5.5
SUBTOTAL					15.0
FORB - INVADED					
IPOMOPSIS AGGREGATA	1	0	0	1	0.5
SENECIO MULTILOBATUS	2	0	0	0	0.5
UNKNOWN FORB	0	0	0	2	0.5
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	14	60	35	38	36.8
SUBTOTAL					36.8
SHRUB - PLANTED					
CERATOIDES LANATA	0	0	1	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	0	0	3	0	0.8
PURSHIA TRIDENTATA	0	3	5	7	3.8
SUBTOTAL					4.8
TOTAL PLANTED SPECIES					56.5
TOTAL INVADED SPECIES					1.5
GRAND TOTAL					58.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	1	10	4	3	4.5
LINUM LEWISII	1	4	4	6	3.8
MELILOTUS OFFICINALIS	0	1	5	5	2.8
SUBTOTAL					11.0
FORB - INVADED					
ASTER SPECIES	0	0	0	1	0.3
CHAENACTIS DOUGLASII	1	0	2	0	0.8
MACHAERANTHERA PATTERSONII	0	0	0	1	0.3
SUBTOTAL					1.3
GRASS - PLANTED					
AGROPYRON SPECIES	35	65	40	15	38.8
SUBTOTAL					38.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	0	8	2.0
SUBTOTAL					2.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	6	2	0	.	2.0
SUBTOTAL					2.0
TOTAL PLANTED SPECIES					51.8
TOTAL INVADED SPECIES					3.3
GRAND TOTAL					55.0

APPENDIX

• PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	15	2	11	35	15.8
LINUM LEWISII	40	10	5	7	15.5
MELILOTUS OFFICINALIS	3	0	25	0	7.0
SUBTOTAL					38.3
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	0	0	0.3
CRYPTANTHA SERICEA	0	1	0	0	0.3
IPOMOPSIS AGGREGATA	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	1	0	0	0	0.3
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	5	8	28	35	19.0
SUBTOTAL					19.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	3	0	0	0.8
CHRYSOTHAMNUS NAUSEOSUS	0	1	0	0	0.3
SUBTOTAL					1.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	3	0	0.8
SUBTOTAL					0.8
TOTAL PLANTED SPECIES					58.3
TOTAL INVADED SPECIES					1.8
GRAND TOTAL					60.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	1	1	0	0	0.5
SUBTOTAL					0.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	2	0	0.5
CRYPTANTHA SERICEA	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	0	1	0	1	0.5
SUBTOTAL					1.3
GRASS - PLANTED					
AGROPYRON SPECIES	35	40	30	35	35.0
ORYZOPSIS HYMENOIDES	0	3	0	0	0.8
STIPA VIRIDULA	0	0	0	3	0.8
SUBTOTAL					36.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	5	4	5	3.5
CERATOIDES LANATA	2	0	2	1	1.3
CHRYSOTHAMNUS NAUSEOSUS	0	15	0	10	6.3
SUBTOTAL					11.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	2	0	0	0	0.5
SUBTOTAL					0.5
TOTAL PLANTED SPECIES					48.0
TOTAL INVADED SPECIES					1.8
GRAND TOTAL					49.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	6	8	0	3.5
LINUM LEWISII	4	4	1	3	3.0
MELILOTUS OFFICINALIS	25	0	6	5	9.0
SUBTOTAL					15.5
FORB - INVADED					
IPOMOPSIS AGGREGATA	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	0	0	0	1	0.3
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	8	55	40	20	30.8
SUBTOTAL					30.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	1	3	0	1.0
CHRYSOTHAMNUS NAUSEOSUS	6	0	2	0	2.0
PURSHIA TRIDENTATA	16	0	0	0	4.0
SUBTOTAL					7.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	2	0.5
SUBTOTAL					0.5
TOTAL PLANTED SPECIES					53.3
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					54.3

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	0	28	7.0
LINUM LEWISII	7	10	12	4	8.3
MELILOTUS OFFICINALIS	0	4	0	2	1.5
SUBTOTAL					16.8
FORB - INVADED					
IPOMOPSIS AGGREGATA	0	4	1	0	1.3
MACHAERANTHERA PATTERSONII	1	0	3	0	1.0
SUBTOTAL					2.3
GRASS - PLANTED					
AGROPYRON SPECIES	55	35	25	35	37.5
SUBTOTAL					37.5
GRASS - INVADED					
KOELERIA CRISTATA	0	0	2	0	0.5
SUBTOTAL					0.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	1	0	0.3
CERATOIDES LANATA	0	1	0	1	0.5
CHRYSOTHAMNUS NAUSEOSUS	0	0	3	0	0.8
SUBTOTAL					1.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	1	0	0	0.3
SUBTOTAL					0.3
TOTAL PLANTED SPECIES					55.8
TOTAL INVADED SPECIES					3.0
GRAND TOTAL					58.8

APPENDIX

PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	8	0	6	4.8
HEDYSARUM UTAHENSIS	0	4	0	2	1.5
LINUM LEWISII	4	6	2	2	3.5
MELILOTUS OFFICINALIS	20	17	14	18	17.3
SUBTOTAL					27.0
GRASS - PLANTED					
AGROPYRON SPECIES	60	35	35	55	46.3
SUBTOTAL					46.3
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	0	0	0	2	0.5
PURSHIA TRIDENTATA	0	5	2	0	1.8
SUBTOTAL					2.3
TOTAL PLANTED SPECIES					75.5
TOTAL INVADED SPECIES					0.0
GRAND TOTAL					75.5

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	28	3	4	3	9.5
SUBTOTAL					9.5
FORB - INVADED					
ASTER SPECIES	1	0	0	0	0.3
HAPLOPAPPUS NUTTALLII	2	0	0	0	0.5
MACHAERANTHERA PATTERSONII	0	2	0	0	0.5
PHYSARIA FLORIBUNDA	0	2	0	0	0.5
SENECIO MULTILOBATUS	1	0	0	0	0.3
SUBTOTAL					2.0
GRASS - PLANTED					
AGROPYRON SPECIES	10	45	70	50	43.8
SUBTOTAL					43.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	1	0	5	1.5
CHRYSOTHAMNUS NAUSEOSUS	0	0	8	0	2.0
SUBTOTAL					3.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	4	0	1.0
SUBTOTAL					1.0
TOTAL PLANTED SPECIES					56.8
TOTAL INVADED SPECIES					3.0
GRAND TOTAL					59.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	16	14	6	0	9.0
LINUM LEWISII	1	1	3	11	4.0
MELILOTUS OFFICINALIS	30	18	3	0	12.8
SUBTOTAL					25.8
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	1	0	2	0.8
PHLOX HOODII	0	0	0	1	0.3
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	40	40	50	30	40.0
SUBTOTAL					40.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	6	5	0	0	2.8
CERATOIDES LANATA	3	0	1	0	1.0
CHRYSOTHAMNUS NAUSEOSUS	15	0	0	0	3.8
SUBTOTAL					7.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	13	3.3
SUBTOTAL					3.3
TOTAL PLANTED SPECIES					73.3
TOTAL INVADED SPECIES					4.3
GRAND TOTAL					77.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT F AVERAGE
FORB - PLANTED					
LINUM LEWISII	0	2	9	8	4.8
SUBTOTAL					4.8
FORB - INVADED					
IPOMOPSIS AGGREGATA	1	0	0	0	0.3
SUBTOTAL					0.3
GRASS - PLANTED					
AGROPYRON SPECIES	30	20	35	35	30.0
AGROPYRON TRICHOPHORUM	0	8	0	0	2.0
SUBTOTAL					32.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	1	18	22	0	10.3
CHRYSOTHAMNUS NAUSEOSUS	0	2	10	0	3.0
SUBTOTAL					13.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	6	0	0	10	4.0
SUBTOTAL					4.0
TOTAL PLANTED SPECIES					50.0
TOTAL INVADED SPECIES					4.3
GRAND TOTAL					54.3

APPENDIX

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-1
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	18	15	12	11.3
HEDYSARUM UTAHENSIS	5	4	0	0	2.3
LINUM LEWISII	3	1	4	14	5.5
SUBTOTAL					19.0
FORB - INVADED					
ASTER SPECIES	1	0	0	0	0.3
HAPLOPAPPUS NUTTALLII	2	3	0	0	1.3
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	25	35	30	25	28.8
SUBTOTAL					28.8
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	0	0	7	1	2.0
CHRYSOTHAMNUS VISCIDIFLORUS	1	4	0	0	1.3
SUBTOTAL					3.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	2	0.5
SUBTOTAL					0.5
TOTAL PLANTED SPECIES					51.0
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					53.0

APPENDIX 6-1.2

Analyses for Plot R-1 Experimental Revegetation Data

Duncan's Multiple Range Test results for significant main effect differences as identified for analyses summarized on Table 6-3.
Mulch and block designations are presented on Figure 6-1.

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
EXPERIMENTAL REVEGETATION STUDIES - R1

THREE-WAY ANALYSIS OF VARIANCE
COMPARING ARCSINE TRANSFORMED COVER ESTIMATES
BETWEEN BLOCKS, MULCHING AND FERTILIZER TREATMENTS
REPORT YEAR=1984 GROWTH FORM=FORB PLANTED OR INVADED SPECIES=PLANTED

GENERAL LINEAR MODELS PROCEDURE

UNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: COVER
OTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

LPHA=0.05 DF=90 MSE=.0128342

ARNING: CELL SIZES ARE NOT EQUAL.
ARMONIC MEAN OF CELL SIZES=34.3188

EANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

UNCAN GROUPING	MEAN	N	MULCH
A	0.12930	32	1
A			
B A	0.11608	37	2
B			
B	0.06974	37	3
B			
B	0.06843	32	4

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
EXPERIMENTAL REVEGETATION STUDIES - R1

THREE-WAY ANALYSIS OF VARIANCE
COMPARING ARCSINE TRANSFORMED COVER ESTIMATES
BETWEEN BLOCKS, MULCHING AND FERTILIZER TREATMENTS
REPORT YEAR=1984 GROWTH FORM=FORB PLANTED OR INVADED SPECIES=INVADED

GENERAL LINEAR MODELS PROCEDURE

UNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: COVER
OTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

LPHA=0.05 DF=79 MSE=2.9E-05

ARNING: CELL SIZES ARE NOT EQUAL.
ARMONIC MEAN OF CELL SIZES=37.362

EANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

UNCAN GROUPING	MEAN	N	BLOCK
A	0.0081436	35	1
B	0.0052587	58	3
B			
B	0.0037931	29	2

APPENDIX 6-1.3

Plot R-2 Experimental Revegetation

Data

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	1	28	0	1	7.5
LINUM LEWISII	18	15	12	15	15.0
SUBTOTAL					22.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	0	0	2	2	1.0
PHYSARIA FLORIBUNDA	0	0	0	1	0.3
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	15	8	5	8	9.0
ORYZOPSIS HYMENOIDES	3	1	11	2	4.3
SUBTOTAL					13.3
SHRUB - PLANTED					
CERATOIDES LANATA	2	0	0	0	0.5
CHRYSOTHAMNUS NAUSEOSUS	2	5	1	0	2.0
PURSHIA TRIDENTATA	14	0	0	2	4.0
SUBTOTAL					6.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	1	0	0.3
SUBTOTAL					0.3
TOTAL PLANTED SPECIES					42.3
TOTAL INVADED SPECIES					1.8
GRAND TOTAL					44.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	25	0	35	16.3
LINUM LEWISII	2	4	4	1	2.8
SUBTOTAL					19.0
FORB - INVADED					
CRYPTANTHA SERICEA	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	1	1	2	0	1.0
PHLOX HOODII	0	0	4	0	1.0
SUBTOTAL					2.3
GRASS - PLANTED					
AGROPYRON SPECIES	15	8	10	12	11.3
AGROPYRON TRICHOPHORUM	0	10	0	2	3.0
ORYZOPSIS HYMENOIDES	0	0	0	3	0.8
SUBTOTAL					15.0
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	35	28	18	8	22.3
PURSHIA TRIDENTATA	12	8	0	0	5.0
SUBTOTAL					27.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	2	4	1.5
SUBTOTAL					1.5
TOTAL PLANTED SPECIES					61.3
TOTAL INVADED SPECIES					3.8
GRAND TOTAL					65.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	18	7	1	0	6.5
LINUM LEWISII	3	5	8	4	5.0
MELILOTUS OFFICINALIS	0	0	0	6	1.5
SUBTOTAL					13.0
FORB - INVADED					
CHAENACTIS DOUGLASII	2	1	1	1	1.3
CRYPTANTHA SERICEA	0	0	0	2	0.5
MACHAERANTHERA PATTERSONII	9	0	1	3	3.3
SUBTOTAL					5.0
GRASS - PLANTED					
AGROPYRON SPECIES	8	12	3	15	9.5
ELYMUS CINEREUS	4	0	0	0	1.0
ORYZOPSIS HYMENOIDES	7	3	8	0	4.5
SUBTOTAL					15.0
GRASS - INVADED					
BROMUS INERMIS	0	0	0	1	0.3
SITANION HYSTRIX	2	0	0	0	0.5
SUBTOTAL					0.8
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	2	12	14	8	9.0
SUBTOTAL					9.0
TOTAL PLANTED SPECIES					37.0
TOTAL INVADED SPECIES					5.8
GRAND TOTAL					42.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT E-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	15	18	50	10	23.3
LINUM LEWISII	4	4	3	7	4.5
MELILOTUS OFFICINALIS	0	0	0	2	0.5
SUBTOTAL					28.3
FORB - INVADED					
CHAENACTIS DOUGLASII	2	0	0	0	0.5
MACHAERANTHERA PATTERSONII	2	0	3	2	1.8
SUBTOTAL					2.3
GRASS - PLANTED					
AGROPYRON SPECIES	15	18	15	25	18.3
ORYZOPSIS HYMENOIDES	6	0	4	4	3.5
SUBTOTAL					21.8
SHRUB - PLANTED					
CERATOIDES LANATA	0	2	0	0	0.5
CHRYSOTHAMNUS NAUSEOSUS	20	3	5	12	10.0
PURSHIA TRIDENTATA	6	14	0	0	5.0
SUBTOTAL					15.5
TOTAL PLANTED SPECIES					65.5
TOTAL INVADED SPECIES					2.3
GRAND TOTAL					67.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	15	0	0	1	4.0
LINUM LEWISII	1	6	6	8	5.3
MELILOTUS OFFICINALIS	0	5	2	2	2.3
SUBTOTAL					11.5
FORB - INVADED					
CRYPTANTHA SERICEA	1	0	0	0	0.3
MACHAERANTHERA PATTERSONII	1	0	3	3	1.8
SUBTOTAL					2.0
GRASS - PLANTED					
AGROPYRON SPECIES	25	15	6	8	13.5
ORYZOPSIS HYMENOIDES	0	6	9	3	4.5
SUBTOTAL					18.0
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	0	0	12	10	5.5
PURSHIA TRIDENTATA	2	10	0	2	3.5
SUBTOTAL					9.0
TOTAL PLANTED SPECIES					38.5
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					40.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	28	0	30	14.5
LINUM LEWISII	2	0	1	5	2.0
SUBTOTAL					16.5
FORB - INVADED					
CHAENACTIS DOUGLASII	1	1	1	0	0.8
CRYPTANTHA SERICEA	1	0	1	0	0.5
MACHAERANTHERA PATTERSONII	4	1	2	0	1.8
SUBTOTAL					3.0
GRASS - PLANTED					
AGROPYRON SPECIES	8	0	2	15	6.3
AGROPYRON TRICHOPHORUM	0	10	10	0	5.0
ORYZOPSIS HYMENOIDES	10	2	2	0	3.5
SUBTOTAL					14.8
GRASS - INVADED					
AGROPYRON CRISTATUM	2	0	0	0	0.5
SUBTOTAL					0.5
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	15	20	20	14	17.3
PURSHIA TRIDENTATA	0	0	0	2	0.5
SUBTOTAL					17.8
TOTAL PLANTED SPECIES					49.0
TOTAL INVADED SPECIES					3.5
GRAND TOTAL					52.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	4	3	0	1.8
LINUM LEWISII	12	8	1	2	5.8
MELILOTUS OFFICINALIS	1	0	0	0	0.3
SUBTOTAL					7.8
FORB - INVADED					
CHAENACTIS DOUGLASII	1	0	0	0	0.3
CRYPTANTHA SERICEA	0	0	1	2	0.8
IPOMOPSIS AGGREGATA	3	0	0	3	1.5
MACHAERANTHERA PATTERSONII	1	0	0	0	0.3
PHLOX HOODII	1	0	0	0	0.3
SENECIO MULTILOBATUS	1	1	0	0	0.5
SUBTOTAL					3.5
GRASS - PLANTED					
AGROPYRON SPECIES	5	12	12	5	8.5
AGROPYRON TRICHOPHORUM	0	10	0	0	2.5
ORYZOPSIS HYMENOIDES	8	3	3	6	5.0
SUBTOTAL					16.0
SHRUB - PLANTED					
CERATOIDES LANATA	0	2	0	0	0.5
CHRYSOTHAMNUS NAUSEOSUS	8	11	20	12	12.8
PURSHIA TRIDENTATA	0	1	0	0	0.3
SUBTOTAL					13.5
TOTAL PLANTED SPECIES					37.3
TOTAL INVADED SPECIES					3.5
GRAND TOTAL					40.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	4	10	12	6.5
LINUM LEWISII	14	6	11	2	8.3
SUBTOTAL					14.8
FORB - INVADED					
CHAENACTIS DOUGLASII	1	0	0	0	0.3
MACHAERANTHERA PATTERSONII	2	1	2	0	1.3
SENECIO MULTILOBATUS	1	0	1	0	0.5
SUBTOTAL					2.0
GRASS - PLANTED					
AGROPYRON SPECIES	0	5	6	20	7.8
AGROPYRON TRICHOPHORUM	0	0	0	10	2.5
ORYZOPSIS HYMENOIDES	12	8	4	0	6.0
SUBTOTAL					16.3
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	1	1	9	17	7.0
SUBTOTAL					7.0
TOTAL PLANTED SPECIES					38.0
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					40.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	0	5	0	2.5
LINUM LEWISII	2	0	18	5	6.3
SUBTOTAL					8.8
FORB - INVADED					
IPOMOPSIS AGGREGATA	0	1	0	0	0.3
UNKNOWN FORB	0	1	0	0	0.3
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	25	5	3	5	9.5
ORYZOPSIS HYMENOIDES	3	5	10	1	4.8
SUBTOTAL					14.3
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	0	2	0.5
SUBTOTAL					0.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	12	2	2	8	6.0
CHRYSOTHAMNUS NAUSEOSUS	30	22	14	10	19.0
SUBTOTAL					25.0
TOTAL PLANTED SPECIES					48.0
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					49.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	5	9	13	1	7.0
SUBTOTAL					7.0
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	2	1	0.8
CRYPTANTHA SERICEA	0	0	0	1	0.3
MACHAERANTHERA PATTERSONII	2	3	6	2	3.3
SUBTOTAL					4.3
GRASS - PLANTED					
AGROPYRON SPECIES	23	18	5	6	13.0
ORYZOPSIS HYMENOIDES	0	0	14	0	3.5
STIPA VIRIDULA	0	5	2	0	1.8
SUBTOTAL					18.3
GRASS - INVADED					
AGROPYRON CRISTATUM	3	0	0	0	0.8
SUBTOTAL					0.8
SHRUB - PLANTED					
ATRIPLEX CANESCENS	0	0	15	0	3.8
CERATOIDES LANATA	3	0	0	0	0.8
CHRYSOTHAMNUS NAUSEOSUS	18	11	18	40	21.8
PURSHIA TRIDENTATA	3	0	0	0	0.8
SUBTOTAL					27.0
TOTAL PLANTED SPECIES					52.3
TOTAL INVADED SPECIES					5.0
GRAND TOTAL					57.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	8	0	0	2.0
LINUM LEWISII	0	0	2	5	1.8
SUBTOTAL					3.8
FORB - INVADED					
CRYPTANTHA SERICEA	1	0	0	0	0.3
MACHAERANTHERA PATTERSONII	2	3	1	2	2.0
SUBTOTAL					2.3
GRASS - PLANTED					
AGROPYRON SPECIES	18	20	15	20	18.3
ORYZOPSIS HYMENOIDES	10	0	0	0	2.5
SUBTOTAL					20.8
SHRUB - PLANTED					
CERATOIDES LANATA	0	0	0	3	0.8
CHRYSOTHAMNUS NAUSEOSUS	18	45	7	35	26.3
SUBTOTAL					27.0
TOTAL PLANTED SPECIES					51.5
TOTAL INVADED SPECIES					2.3
GRAND TOTAL					53.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= NO MULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	2	0	1	50	13.3
LINUM LEWISII	4	0	6	1	2.8
MELILOTUS OFFICINALIS	0	2	0	0	0.5
SUBTOTAL					16.5
FORB - INVADED					
CRYPTANTHA SERICEA	1	1	1	1	1.0
IPOMOPSIS AGGREGATA	0	1	0	1	0.5
MACHAERANTHERA PATTERSONII	0	2	2	2	1.5
SUBTOTAL					3.0
GRASS - PLANTED					
AGROPYRON SPECIES	0	8	5	20	8.3
AGROPYRON TRICHOPHORUM	0	0	8	.	2.0
ORYZOPSIS HYMENOIDES	2	10	3	8	5.8
SUBTOTAL					16.0
GRASS - INVADED					
AGROPYRON CRISTATUM	3	0	0	18	5.3
SITANION HYSTRIX	0	0	8	0	2.0
SUBTOTAL					7.3
SHRUB - PLANTED					
CERATOIDES LANATA	0	0	3	0	0.8
CHRYSOTHAMNUS NAUSEOSUS	22	45	18	6	22.8
PURSHIA TRIDENTATA	0	0	0	5	1.3
SUBTOTAL					24.8
TOTAL PLANTED SPECIES					57.3
TOTAL INVADED SPECIES					10.3
GRAND TOTAL					67.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
LINUM LEWISII	15	3	6	4	7.0
MELILOTUS OFFICINALIS	0	0	0	1	0.3
SUBTOTAL					7.3
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	0	1	0.3
IPOMOPSIS AGGREGATA	0	0	1	0	0.3
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	5	2	5	18	7.5
AGROPYRON TRICHOPHORUM	5	0	0	3	2.0
ORYZOPSIS HYMENOIDES	5	0	10	0	3.8
SUBTOTAL					13.3
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	45	10	0	30	21.3
SUBTOTAL					21.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	20	9	3	8.0
SUBTOTAL					8.0
TOTAL PLANTED SPECIES					41.8
TOTAL INVADED SPECIES					8.5
GRAND TOTAL					50.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	3	1	6	3.8
LINUM LEWISII	10	8	0	0	4.5
MELILOTUS OFFICINALIS	1	0	1	1	0.8
SUBTOTAL					9.0
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	1	0	0.3
CRYPTANTHA SERICEA	0	0	1	0	0.3
SENECIO MULTILOBATUS	1	1	0	1	0.8
UNKNOWN FORB	1	0	0	0	0.3
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	18	10	5	15	12.0
AGROPYRON TRICHOPHORUM	0	15	0	0	3.8
ORYZOPSIS HYMENOIDES	0	3	2	4	2.3
SUBTOTAL					18.0
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	18	35	0	20	18.3
PURSHIA TRIDENTATA	8	3	8	12	7.8
SUBTOTAL					26.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	2	0	0	0	0.5
SUBTOTAL					0.5
TOTAL PLANTED SPECIES					53.0
TOTAL INVADED SPECIES					2.0
GRAND TOTAL					55.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	12	2	5	4.8
LINUM LEWISII	0	3	0	3	1.5
SUBTOTAL					6.3
FORB - INVADED					
CRYPTANTHA SERICEA	0	1	0	0	0.3
SENECIO MULTILOBATUS	1	0	1	0	0.5
SUBTOTAL					0.8
GRASS - PLANTED					
AGROPYRON SPECIES	2	2	5	20	7.3
ELYMUS CINEREUS	0	3	0	0	0.8
ORYZOPSIS HYMENOIDES	12	4	3	2	5.3
SUBTOTAL					13.3
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	3	0	0.8
SUBTOTAL					0.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	22	0	0	5.5
CHRYSOTHAMNUS NAUSEOSUS	15	7	22	20	16.0
PURSHIA TRIDENTATA	20	3	0	18	10.3
SUBTOTAL					31.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	4	1.0
SUBTOTAL					1.0
TOTAL PLANTED SPECIES					51.3
TOTAL INVADED SPECIES					2.5
GRAND TOTAL					53.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	12	0	0	3.0
LINUM LEWISII	12	4	4	9	7.3
MELILOTUS OFFICINALIS	1	0	5	0	1.5
SUBTOTAL					11.8
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	0	2	0.5
IPOMOPSIS AGGREGATA	1	1	0	0	0.5
MACHAERANTHERA PATTERSONII	1	1	1	2	1.3
PHLOX HOODII	0	0	0	5	1.3
SENECIO MULTILOBATUS	0	0	0	1	0.3
SUBTOTAL					3.8
GRASS - PLANTED					
AGROPYRON SPECIES	8	18	7	10	10.8
ORYZOPSIS HYMENOIDES	0	0	8	6	3.5
SUBTOTAL					14.3
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	1	43	8	5	14.3
SUBTOTAL					14.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	3	5	0	2.0
SUBTOTAL					2.0
TOTAL PLANTED SPECIES					40.3
TOTAL INVADED SPECIES					5.8
GRAND TOTAL					46.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	0	15	0	5.0
LINUM LEWISII	4	8	12	8	8.0
SUBTOTAL					13.0
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	0	1	0.5
CRYPTANTHA SERICEA	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	2	2	3	1	2.0
SUBTOTAL					2.8
GRASS - PLANTED					
AGROPYRON SPECIES	15	2	3	18	9.5
AGROPYRON TRICHOPHORUM	0	0	5	0	1.3
ELYMUS CINEREUS	8	0	0	0	2.0
SUBTOTAL					12.8
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	4	0	1.0
SUBTOTAL					1.0
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	0	3	12	35	12.5
PURSHIA TRIDENTATA	0	0	0	10	2.5
SUBTOTAL					15.0
TOTAL PLANTED SPECIES					40.8
TOTAL INVADED SPECIES					3.8
GRAND TOTAL					44.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	7	20	18	0	11.3
LINUM LEWISII	4	1	0	4	2.3
MELILOTUS OFFICINALIS	0	0	0	5	1.3
SUBTOTAL					14.8
FORB - INVADED					
CHAENACTIS DOUGLASII	1	0	0	0	0.3
CRYPTANTHA SERICEA	0	0	0	1	0.3
MACHAERANTHERA PATTERSONII	3	1	0	1	1.3
SUBTOTAL					1.8
GRASS - PLANTED					
AGROPYRON SPECIES	8	20	25	12	16.3
AGROPYRON TRICHOPHORUM	0	5	12	0	4.3
ELYMUS CINEREUS	0	2	0	0	0.5
ORYZOPSIS HYMENOIDES	0	0	8	12	5.0
SUBTOTAL					26.0
SHRUB - PLANTED					
CERATOIDES LANATA	0	1	0	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	9	35	7	18	17.3
PURSHIA TRIDENTATA	12	15	0	0	6.8
SUBTOTAL					24.3
TOTAL PLANTED SPECIES					65.0
TOTAL INVADED SPECIES					1.8
GRAND TOTAL					66.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	25	0	0	2	6.8
LINUM LEWISII	9	7	6	8	7.5
MELILOTUS OFFICINALIS	0	4	0	0	1.0
SUBTOTAL					15.3
FORB - INVADED					
CRYPTANTHA SERICEA	0	0	0	1	0.3
IPOMOPSIS AGGREGATA	0	3	0	0	0.8
MACHAERANTHERA PATTERSONII	0	0	0	1	0.3
SENECIO MULTILOBATUS	0	0	1	0	0.3
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	5	5	30	5	11.3
ORYZOPSIS HYMENOIDES	5	0	0	15	5.0
SUBTOTAL					16.3
GRASS - INVADED					
AGROPYRON CRISTATUM	3	0	0	0	0.8
SUBTOTAL					0.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	5	0	1.3
CHRYSOTHAMNUS NAUSEOSUS	13	3	3	5	6.0
PURSHIA TRIDENTATA	0	1	0	0	0.3
SUBTOTAL					7.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	4	0	10	10	6.0
SUBTOTAL					6.0
TOTAL PLANTED SPECIES					39.0
TOTAL INVADED SPECIES					8.3
GRAND TOTAL					47.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	3	0	1	28	8.0
HEDYSARUM UTAHENSIS	0	0	0	1	0.3
LINUM LEWISII	6	4	7	2	4.8
MELILOTUS OFFICINALIS	2	1	3	0	1.5
SUBTOTAL					14.5
FORB - INVADED					
CHAENACTIS DOUGLASII	1	1	1	0	0.8
CRYPTANTHA SERICEA	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	2	2	1	1	1.5
SUBTOTAL					2.5
GRASS - PLANTED					
AGROPYRON SPECIES	25	1	1	10	9.3
ELYMUS CINEREUS	0	0	10	0	2.5
SUBTOTAL					11.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	8	0	0	0	2.0
CHRYSOTHAMNUS NAUSEOSUS	20	14	5	23	15.5
PURSHIA TRIDENTATA	5	0	13	2	5.0
SUBTOTAL					22.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	2	0.5
SUBTOTAL					0.5
TOTAL PLANTED SPECIES					48.8
TOTAL INVADED SPECIES					3.0
GRAND TOTAL					51.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	8	0	3	4.0
LINUM LEWISII	0	0	0	1	0.3
MELILOTUS OFFICINALIS	5	0	4	0	2.3
SUBTOTAL					6.5
FORB - INVADED					
CRYPTANTHA SERICEA	0	1	0	0	0.3
IPOMOPSIS AGGREGATA	1	1	3	0	1.3
MACHAERANTHERA PATTERSONII	1	0	2	0	0.8
UNKNOWN FORB	0	1	0	0	0.3
SUBTOTAL					2.5
GRASS - PLANTED					
AGROPYRON SPECIES	20	10	3	18	12.8
ELYMUS CINEREUS	0	3	0	0	0.8
ORYZOPSIS HYMENOIDES	8	3	10	8	7.3
STIPA VIRIDULA	0	3	0	0	0.8
SUBTOTAL					21.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	4	0	0	2	1.5
CHRYSOTHAMNUS NAUSEOSUS	30	18	40	5	23.3
PURSHIA TRIDENTATA	0	14	2	8	6.0
SUBTOTAL					30.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	5	0	1.3
SUBTOTAL					1.3
TOTAL PLANTED SPECIES					58.8
TOTAL INVADED SPECIES					3.8
GRAND TOTAL					62.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	1	4	0	6	2.8
LINUM LEWISII	12	5	2	15	8.5
MELILOTUS OFFICINALIS	0	0	6	0	1.5
SUBTOTAL					12.8
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	0	1	0.3
CRYPTANTHA SERICEA	0	0	0	1	0.3
IPOMOPSIS AGGREGATA	1	1	1	0	0.8
MACHAERANTHERA PATTERSONII	2	0	5	1	2.0
PHYSARIA FLORIBUNDA	1	1	0	0	0.5
SUBTOTAL					3.8
GRASS - PLANTED					
AGROPYRON SPECIES	20	25	25	12	20.5
AGROPYRON TRICHOPHORUM	0	0	12	0	3.0
ORYZOPSIS HYMENOIDES	2	0	3	6	2.8
SUBTOTAL					26.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	5	0	1.3
CERATOIDES LANATA	1	0	0	0	0.3
CHRYSOTHAMNUS NAUSEOSUS	0	70	2	7	19.8
PURSHIA TRIDENTATA	6	4	0	0	2.5
SUBTOTAL					23.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	5	0	0	1.3
SUBTOTAL					1.3
TOTAL PLANTED SPECIES					62.8
TOTAL INVADED SPECIES					5.0
GRAND TOTAL					67.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	28	0	3	12	10.8
LINUM LEWISII	0	4	1	8	3.3
MELILOTUS OFFICINALIS	0	1	0	1	0.5
SUBTOTAL					14.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	0	1	0.5
MACHAERANTHERA PATTERSONII	6	0	2	3	2.8
SENECIO MULTILOBATUS	1	0	1	2	1.0
SUBTOTAL					4.3
GRASS - PLANTED					
AGROPYRON SPECIES	20	8	20	15	15.8
ORYZOPSIS HYMENOIDES	0	4	0	0	1.0
SUBTOTAL					16.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	2	0	0.5
CHRYSOTHAMNUS NAUSEOSUS	12	16	0	0	7.0
PURSHIA TRIDENTATA	3	0	0	0	0.8
SUBTOTAL					8.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	1	0	0	0.3
SUBTOTAL					0.3
TOTAL PLANTED SPECIES					39.5
TOTAL INVADED SPECIES					4.5
GRAND TOTAL					44.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= HYDROMULCH
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	2	0	0	30	8.0
LINUM LEWISII	4	7	0	0	2.8
MELILOTUS OFFICINALIS	0	5	2	1	2.0
SUBTOTAL					12.8
FORB - INVADED					
CRYPTANTHA SERICEA	1	0	1	0	0.5
MACHAERANTHERA PATTERSONII	1	0	4	1	1.5
PHYSARIA FLORIBUNDA	0	0	0	1	0.3
SENECIO MULTILOBATUS	0	2	0	0	0.5
SUBTOTAL					2.8
GRASS - PLANTED					
AGROPYRON SPECIES	2	3	18	5	7.0
AGROPYRON TRICHOPHORUM	0	0	8	0	2.0
ORYZOPSIS HYMENOIDES	9	8	0	8	6.3
SUBTOTAL					15.3
GRASS - INVADED					
SITANION HYSTRIX	0	0	0	3	0.8
SUBTOTAL					0.8
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	5	10	8	13	9.0
PURSHIA TRIDENTATA	0	0	1	12	3.3
SUBTOTAL					12.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	3	2	0	0	1.3
SUBTOTAL					1.3
TOTAL PLANTED SPECIES					40.3
TOTAL INVADED SPECIES					4.8
GRAND TOTAL					45.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	15	15	10	10.0
HEDYSARUM UTAHENSIS	18	0	0	0	4.5
LINUM LEWISII	4	8	8	9	7.3
SUBTOTAL					21.8
FORB - INVADED					
HAPLOPAPPUS NUTTALLII	0	1	1	0	0.5
SENECIO MULTILOBATUS	1	0	0	0	0.3
SUBTOTAL					0.8
GRASS - PLANTED					
AGROPYRON SPECIES	12	18	10	2	10.5
ORYZOPSIS HYMENOIDES	3	3	2	7	3.8
SUBTOTAL					14.3
SHRUB - PLANTED					
ATRIPLEX CANESCENS	0	6	0	0	1.5
CERATOIDES LANATA	0	0	2	0	0.5
CHRYSOTHAMNUS NAUSEOSUS	12	5	14	0	7.8
PURSHIA TRIDENTATA	0	2	12	7	5.3
SUBTOTAL					15.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	2	6	3	10	5.3
SUBTOTAL					5.3
TOTAL PLANTED SPECIES					51.0
TOTAL INVADED SPECIES					6.0
GRAND TOTAL					57.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	4	8	0	5	4.3
LINUM LEWISII	4	14	14	8	10.0
SUBTOTAL					14.3
FORB - INVADED					
CRYPTANTHA SERICEA	0	0	0	1	0.3
MACHAERANTHERA PATTERSONII	0	0	0	1	0.3
SENECIO MULTILOBATUS	0	2	1	1	1.0
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	28	12	5	25	17.5
ORYZOPSIS HYMENOIDES	3	8	3	3	4.3
SUBTOTAL					21.8
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	22	9	2	4	9.3
PURSHIA TRIDENTATA	5	0	0	0	1.3
SUBTOTAL					10.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	11	0	2.8
SUBTOTAL					2.8
TOTAL PLANTED SPECIES					46.5
TOTAL INVADED SPECIES					4.3
GRAND TOTAL					50.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	10	18	0	65	23.3
LINUM LEWISII	0	0	2	0	0.5
MELILOTUS OFFICINALIS	8	0	12	0	5.0
SUBTOTAL					28.8
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	2	0	0	0.5
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	5	5	15	20	11.3
AGROPYRON TRICHOPHORUM	5	0	3	0	2.0
ORYZOPSIS HYMENOIDES	8	6	0	0	3.5
SUBTOTAL					16.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	7	2	2.3
CHRYSOTHAMNUS NAUSEOSUS	13	28	18	15	18.5
PURSHIA TRIDENTATA	0	2	0	0	0.5
RHUS TRILOBATA	2	0	0	0	0.5
SUBTOTAL					21.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	1	1	2	1.0
SUBTOTAL					1.0
TOTAL PLANTED SPECIES					67.3
TOTAL INVADED SPECIES					1.5
GRAND TOTAL					68.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	3	1	0	1.0
LINUM LEWISII	8	3	6	13	7.5
SUBTOTAL					8.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	1	1	0.5
IPOMOPSIS AGGREGATA	0	0	1	1	0.5
SENECIO MULTILOBATUS	1	0	0	2	0.8
SUBTOTAL					1.8
GRASS - PLANTED					
AGROPYRON SPECIES	6	15	5	5	7.8
ORYZOPSIS HYMENOIDES	3	5	5	8	5.3
SUBTOTAL					13.0
SHRUB - PLANTED					
ATRIPLEX CANESCENS	4	0	0	0	1.0
CHRYSOTHAMNUS NAUSEOSUS	0	0	5	0	1.3
PURSHIA TRIDENTATA	0	20	0	0	5.0
SUBTOTAL					7.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	12	6	7	5	7.5
SUBTOTAL					7.5
TOTAL PLANTED SPECIES					28.8
TOTAL INVADED SPECIES					9.3
GRAND TOTAL					38.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	35	18	20	19.5
LINUM LEWISII	1	1	1	1	1.0
SUBTOTAL					20.5
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	2	0	0	0.5
SENECIO MULTILOBATUS	0	0	1	0	0.3
SUBTOTAL					0.8
GRASS - PLANTED					
AGROPYRON SPECIES	12	20	28	25	21.3
ORYZOPSIS HYMENOIDES	5	0	0	5	2.5
SUBTOTAL					23.8
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	20	0	40	40	25.0
PURSHIA TRIDENTATA	0	1	2	9	3.0
SUBTOTAL					28.0
TOTAL PLANTED SPECIES					72.3
TOTAL INVADED SPECIES					0.8
GRAND TOTAL					73.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	30	40	18	50	34.5
LINUM LEWISII	6	3	0	1	2.5
SUBTOTAL					37.0
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	3	1	0	0	1.0
SENECIO MULTILOBATUS	0	0	0	1	0.3
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	8	15	25	30	19.5
AGROPYRON TRICHOPHORUM	0	10	10	0	5.0
ORYZOPSIS HYMENOIDES	0	0	5	0	1.3
SUBTOTAL					25.8
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	0	10	2.5
SUBTOTAL					2.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	12	0	3.0
CHRYSOTHAMNUS NAUSEOSUS	35	16	10	22	20.8
PURSHIA TRIDENTATA	1	5	0	6	3.0
SUBTOTAL					26.8
TOTAL PLANTED SPECIES					89.5
TOTAL INVADED SPECIES					4.0
GRAND TOTAL					93.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	1	7	1	12	5.3
LINUM LEWISII	10	5	5	9	7.3
SUBTOTAL					12.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	1	1	0.8
CRYPTANTHA SERICEA	1	0	0	0	0.3
MACHAERANTHERA PATTERSONII	2	0	3	3	2.0
SUBTOTAL					3.0
GRASS - PLANTED					
AGROPYRON SPECIES	8	25	20	25	19.5
ORYZOPSIS HYMENOIDES	3	0	0	0	0.8
SUBTOTAL					20.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	17	0	0	4.3
CHRYSOTHAMNUS NAUSEOSUS	7	0	18	4	7.3
PURSHIA TRIDENTATA	0	0	12	7	4.8
SUBTOTAL					16.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	10	4	5	1	5.0
SUBTOTAL					5.0
TOTAL PLANTED SPECIES					49.0
TOTAL INVADED SPECIES					8.0
GRAND TOTAL					57.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	3	0	8	30	10.3
LINUM LEWISII	0	12	6	3	5.3
SUBTOTAL					15.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	0	0	0.3
CRYPTANTHA SERICEA	1	1	0	0	0.5
MACHAERANTHERA PATTERSONII	2	3	2	0	1.8
SENECIO MULTILOBATUS	0	0	4	0	1.0
SUBTOTAL					3.5
GRASS - PLANTED					
AGROPYRON SPECIES	13	2	12	20	11.8
ORYZOPSIS HYMENOIDES	6	5	0	0	2.8
SUBTOTAL					14.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	10	0	2.5
CHRYSOTHAMNUS NAUSEOSUS	6	22	5	25	14.5
PURSHIA TRIDENTATA	7	0	1	15	5.8
SUBTOTAL					22.8
TOTAL PLANTED SPECIES					52.8
TOTAL INVADED SPECIES					3.5
GRAND TOTAL					56.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	6	35	0	3	11.0
LINUM LEWISII	2	2	4	1	2.3
SUBTOTAL					13.3
FORB - INVADED					
CRYPTANTHA SERICEA	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	0	2	2	1	1.3
SUBTOTAL					1.5
GRASS - PLANTED					
AGROPYRON SPECIES	10	12	8	20	12.5
AGROPYRON TRICHOPHORUM	3	0	0	5	2.0
ORYZOPSIS HYMENOIDES	0	5	8	8	5.3
SUBTOTAL					19.8
GRASS - INVADED					
BROMUS INERMIS	0	0	0	1	0.3
SUBTOTAL					0.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	6	0	1	1.8
CHRYSOTHAMNUS NAUSEOSUS	3	22	25	22	18.0
PURSHIA TRIDENTATA	0	0	0	4	1.0
SUBTOTAL					20.8
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	2	0.5
SUBTOTAL					0.5
TOTAL PLANTED SPECIES					53.8
TOTAL INVADED SPECIES					2.3
GRAND TOTAL					56.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	7	1	0	8	4.0
LINUM LEWISII	3	4	10	15	8.0
SUBTOTAL					12.0
FORB - INVADED					
CRYPTANTHA SERICEA	0	1	0	0	0.3
IPOMOPSIS AGGREGATA	2	2	0	0	1.0
MACHAERANTHERA PATTERSONII	0	2	2	2	1.5
SUBTOTAL					2.8
GRASS - PLANTED					
AGROPYRON SPECIES	15	4	6	7	8.0
ORYZOPSIS HYMENOIDES	5	10	2	8	6.3
SUBTOTAL					14.3
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	5	3	0	4	3.0
PURSHIA TRIDENTATA	10	0	0	0	2.5
SUBTOTAL					5.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	2	0	0	4	1.5
SUBTOTAL					1.5
TOTAL PLANTED SPECIES					31.8
TOTAL INVADED SPECIES					4.3
GRAND TOTAL					36.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	20	3	18	33	18.5
LINUM LEWISII	1	1	0	0	0.5
SUBTOTAL					19.0
FORB - INVADED					
MACHAERANTHERA PATTERSONII	0	3	0	0	0.8
SENECIO MULTILOBATUS	1	0	0	0	0.3
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	15	18	25	12	17.5
AGROPYRON TRICHOPHORUM	0	5	0	0	1.3
SUBTOTAL					18.8
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	12	30	15	25	20.5
PURSHIA TRIDENTATA	0	6	0	0	1.5
SUBTOTAL					22.0
TOTAL PLANTED SPECIES					59.8
TOTAL INVADED SPECIES					1.0
GRAND TOTAL					60.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-CRIMPING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	8	35	9	9	15.3
LINUM LEWISII	5	2	5	3	3.8
MELILOTUS OFFICINALIS	0	0	1	0	0.3
SUBTOTAL					19.3
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	0	1	0.3
MACHAERANTHERA PATTERSONII	4	0	1	3	2.0
SENECIO MULTILOBATUS	1	0	0	0	0.3
SUBTOTAL					2.5
GRASS - PLANTED					
AGROPYRON SPECIES	5	8	15	15	10.8
AGROPYRON TRICHOPHORUM	10	0	0	3	3.3
ORYZOPSIS HYMENOIDES	15	0	4	3	5.5
SUBTOTAL					19.5
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	25	4	0	7.3
CHRYSOTHAMNUS NAUSEOSUS	3	18	3	28	13.0
SUBTOTAL					20.3
TOTAL PLANTED SPECIES					59.0
TOTAL INVADED SPECIES					2.5
GRAND TOTAL					61.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	15	1	1	0	4.3
LINUM LEWISII	1	5	2	10	4.5
SUBTOTAL					8.8
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	0	1	0.3
MACHAERANTHERA PATTERSONII	1	0	0	0	0.3
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	12	25	18	30	21.3
ORYZOPSIS HYMENOIDES	3	0	0	5	2.0
SUBTOTAL					23.3
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	8	0	2.0
SUBTOTAL					2.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	3	35	3	0	10.3
CHRYSOTHAMNUS NAUSEOSUS	55	0	50	0	26.3
PURSHIA TRIDENTATA	0	0	0	15	3.8
SUBTOTAL					40.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	4	4	0	2.0
SUBTOTAL					2.0
TOTAL PLANTED SPECIES					72.3
TOTAL INVADED SPECIES					4.5
GRAND TOTAL					76.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	18	1	0	25	11.0
LINUM LEWISII	5	6	12	5	7.0
MELILOTUS OFFICINALIS	0	0	2	3	1.3
SUBTOTAL					19.3
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	0	1	1	0	0.5
SENECIO MULTILOBATUS	0	1	0	0	0.3
SUBTOTAL					1.0
GRASS - PLANTED					
AGROPYRON SPECIES	34	10	10	35	22.3
AGROPYRON TRICHOPHORUM	0	0	0	8	2.0
ORYZOPSIS HYMENOIDES	0	7	10	5	5.5
SUBTOTAL					29.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	3	0	0	0	0.8
CHRYSOTHAMNUS NAUSEOSUS	12	20	2	3	9.3
PURSHIA TRIDENTATA	0	4	12	0	4.0
SUBTOTAL					14.0
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	0	3	0.8
SUBTOTAL					0.8
TOTAL PLANTED SPECIES					63.0
TOTAL INVADED SPECIES					1.8
GRAND TOTAL					64.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=NO FERTILIZER

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	40	3	45	30	29.5
LINUM LEWISII	6	0	2	2	2.5
SUBTOTAL					32.0
FORB - INVADED					
CRYPTANTHA SERICEA	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	1	1	0	0	0.5
SUBTOTAL					0.8
GRASS - PLANTED					
AGROPYRON SPECIES	0	40	35	25	25.0
AGROPYRON TRICHOPHORUM	25	0	5	5	8.8
ELYMUS CINEREUS	0	10	0	0	2.5
ORYZOPSIS HYMENOIDES	4	0	0	4	2.0
STIPA VIRIDULA	0	10	0	0	2.5
SUBTOTAL					40.8
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	0	8	2.0
SUBTOTAL					2.0
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	5	4	20	12	10.3
SUBTOTAL					10.3
TOTAL PLANTED SPECIES					83.0
TOTAL INVADED SPECIES					2.8
GRAND TOTAL					85.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	23	6	0	28	14.3
LINUM LEWISII	3	2	13	3	5.3
MELILOTUS OFFICINALIS	0	0	0	4	1.0
SUBTOTAL					20.5
FORB - INVADED					
CRYPTANTHA SERICEA	0	1	0	0	0.3
MACHAERANTHERA PATTERSONII	0	2	0	2	1.0
SUBTOTAL					1.3
GRASS - PLANTED					
AGROPYRON SPECIES	28	12	5	25	17.5
ORYZOPSIS HYMENOIDES	0	10	3	0	3.3
SUBTOTAL					20.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	12	5	4.3
CHRYSOTHAMNUS NAUSEOSUS	6	10	0	0	4.0
PURSHIA TRIDENTATA	0	0	0	5	1.3
SUBTOTAL					9.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	2	4	0	1.5
SUBTOTAL					1.5
TOTAL PLANTED SPECIES					50.8
TOTAL INVADED SPECIES					2.8
GRAND TOTAL					53.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	35	0	.	8.8
LINUM LEWISII	2	1	2	1	1.5
SUBTOTAL					10.3
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	0	1	0.3
MACHAERANTHERA PATTERSONII	0	0	1	0	0.3
SUBTOTAL					0.5
GRASS - PLANTED					
AGROPYRON SPECIES	15	25	40	40	30.0
AGROPYRON TRICHOPHORUM	5	0	0	0	1.3
SUBTOTAL					31.3
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	18	5	12	7	10.5
SUBTOTAL					10.5
TOTAL PLANTED SPECIES					52.0
TOTAL INVADED SPECIES					0.5
GRAND TOTAL					52.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	5	0	7	4	4.0
LINUM LEWISII	2	5	3	2	3.0
SUBTOTAL					7.0
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	1	0	0.3
CRYPTANTHA SERICEA	0	1	0	1	0.5
MACHAERANTHERA PATTERSONII	0	0	2	2	1.0
SENECIO MULTILOBATUS	0	0	1	2	0.8
SUBTOTAL					2.5
GRASS - PLANTED					
AGROPYRON SPECIES	10	5	9	1	6.3
AGROPYRON TRICHOPHORUM	25	0	5	0	7.5
ORYZOPSIS HYMENOIDES	3	12	0	3	4.5
SUBTOTAL					18.3
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	2	2	1.0
CHRYSOTHAMNUS NAUSEOSUS	12	20	18	20	17.5
PURSHIA TRIDENTATA	25	0	0	0	6.3
SUBTOTAL					24.8
TOTAL PLANTED SPECIES					50.0
TOTAL INVADED SPECIES					2.5
GRAND TOTAL					52.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
HEDYSARUM UTAHENSIS	1	3	2	0	1.5
LINUM LEWISII	3	1	4	2	2.5
SUBTOTAL					4.0
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	2	0	0.5
IPOMOPSIS AGGREGATA	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	3	0	0	0	0.8
PHYSARIA FLORIBUNDA	1	0	0	2	0.8
SUBTOTAL					2.3
GRASS - PLANTED					
AGROPYRON SPECIES	20	30	20	35	26.3
ORYZOPSIS HYMENOIDES	12	0	2	3	4.3
SUBTOTAL					30.5
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	3	0	0.8
SUBTOTAL					0.8
SHRUB - PLANTED					
CERATOIDES LANATA	1	0	0	1	0.5
CHRYSOTHAMNUS NAUSEOSUS	35	15	8	30	22.0
PURSHIA TRIDENTATA	0	4	4	0	2.0
SUBTOTAL					24.5
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	6	0	0	1.5
SUBTOTAL					1.5
TOTAL PLANTED SPECIES					59.0
TOTAL INVADED SPECIES					4.5
GRAND TOTAL					63.5

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	0	3	0.8
LINUM LEWISII	15	2	5	0	5.5
SUBTOTAL					6.3
FORB - INVADED					
CHAENACTIS DOUGLASII	1	0	1	0	0.5
MACHAERANTHERA PATTERSONII	5	8	4	2	4.8
SUBTOTAL					5.3
GRASS - PLANTED					
AGROPYRON SPECIES	15	15	3	20	13.3
ORYZOPSIS HYMENOIDES	0	3	5	2	2.5
SUBTOTAL					15.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	4	0	1.0
CHRYSOTHAMNUS NAUSEOSUS	12	0	30	15	14.3
SUBTOTAL					15.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	0	7	0	1.8
SUBTOTAL					1.8
TOTAL PLANTED SPECIES					37.3
TOTAL INVADED SPECIES					7.0
GRAND TOTAL					44.3

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	9	0	23	5	9.3
LINUM LEWISII	1	1	0	3	1.3
SUBTOTAL					10.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	0	2	1	0.8
MACHAERANTHERA PATTERSONII	0	2	0	3	1.3
SENECIO MULTILOBATUS	0	0	0	1	0.3
SUBTOTAL					2.3
GRASS - PLANTED					
AGROPYRON SPECIES	30	12	18	15	18.8
AGROPYRON TRICHOPHORUM	8	0	0	0	2.0
ELYMUS CINEREUS	0	5	0	0	1.3
ORYZOPSIS HYMENOIDES	0	3	2	3	2.0
STIPA VIRIDULA	0	0	4	0	1.0
SUBTOTAL					25.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	0	0	4	1.0
CHRYSOTHAMNUS NAUSEOSUS	18	30	15	2	16.3
SUBTOTAL					17.3
					52.8
TOTAL PLANTED SPECIES					2.3
TOTAL INVADED SPECIES					55.0
GRAND TOTAL					

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=1 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	2	0	0	22	6.0
LINUM LEWISII	3	10	5	3	5.3
SUBTOTAL					11.3
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	0	0	0.3
CRYPTANTHA SERICEA	0	0	1	0	0.3
MACHAERANTHERA PATTERSONII	1	5	0	1	1.8
SENECIO MULTILOBATUS	1	0	0	0	0.3
SUBTOTAL					2.5
GRASS - PLANTED					
AGROPYRON SPECIES	15	25	12	35	21.8
ORYZOPSIS HYMENOIDES	6	3	7	4	5.0
SUBTOTAL					26.8
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	18	0	0	5	5.8
CHRYSOTHAMNUS NAUSEOSUS	0	4	28	7	9.8
PURSHIA TRIDENTATA	0	0	0	15	3.8
SUBTOTAL					19.3
SHRUB - INVADED					
GUTIERREZIA SAROTHRAE	0	2	10	0	3.0
SUBTOTAL					3.0
TOTAL PLANTED SPECIES					57.3
TOTAL INVADED SPECIES					5.5
GRAND TOTAL					62.8

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=2 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	0	0	8	40	12.0
HEDYSARUM UTAHENSIS	0	0	4	0	1.0
LINUM LEWISII	1	2	1	1	1.3
SUBTOTAL					14.3
FORB - INVADED					
ASTRAGALUS DIVERSIFOLIUS	0	0	0	1	0.3
CHAENACTIS DOUGLASII	1	0	0	0	0.3
MACHAERANTHERA PATTERSONII	3	0	0	0	0.8
SENECIO MULTILOBATUS	0	1	1	0	0.5
SUBTOTAL					1.8
GRASS - PLANTED					
AGROPYRON SPECIES	25	18	35	15	23.3
ORYZOPSIS HYMENOIDES	3	4	3	0	2.5
SUBTOTAL					25.8
SHRUB - PLANTED					
CHRYSOTHAMNUS NAUSEOSUS	2	15	25	35	19.3
PURSHIA TRIDENTATA	0	2	18	0	5.0
SUBTOTAL					24.3
TOTAL PLANTED SPECIES					64.3
TOTAL INVADED SPECIES					1.8
GRAND TOTAL					66.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-2
REPORT YEAR= 1984

BLOCK=3 MULCH TREATMENT= STRAW-NETTING
FERTILIZER TREATMENT=FERTILIZER-SOWING/1ST GROWING

SPECIES	SUBPLOTS #5	#6	#7	#8	TREATMENT PLOT AVERAGE
FORB - PLANTED					
ASTRAGALUS CICER	40	0	12	25	19.3
HEDYSARUM UTAHENSIS	0	0	15	0	3.8
LINUM LEWISII	1	1	0	0	0.5
SUBTOTAL					23.5
FORB - INVADED					
CHAENACTIS DOUGLASII	0	1	1	0	0.5
CRYPTANTHA SERICEA	5	0	0	0	1.3
MACHAERANTHERA PATTERSONII	2	0	0	0	0.5
SENECIO MULTILOBATUS	0	0	2	0	0.5
SUBTOTAL					2.8
GRASS - PLANTED					
AGROPYRON SPECIES	8	8	22	20	14.5
AGROPYRON TRICHOPHORUM	0	0	8	0	2.0
ORYZOPSIS HYMENOIDES	0	3	0	0	0.8
SUBTOTAL					17.3
GRASS - INVADED					
AGROPYRON CRISTATUM	0	0	4	0	1.0
SUBTOTAL					1.0
SHRUB - PLANTED					
ARTEMISIA TRIDENTATA	0	30	0	20	12.5
CERATOIDES LANATA	0	0	0	1	0.3
CHRYSOTHAMNUS NAUSEOSUS	3	0	22	0	6.3
PURSHIA TRIDENTATA	0	14	0	0	3.5
SUBTOTAL					22.5
TOTAL PLANTED SPECIES					63.3
TOTAL INVADED SPECIES					3.8
GRAND TOTAL					67.0

APPENDIX 6-1.4

Plot R-3 Experimental Revegetation

Data

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 1
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	5	8	18	10.3
MELILOTUS OFFICINALIS	1	0	0	0.3
SUBTOTAL				10.7
GRASS - PLANTED				
AGROPYRON SPECIES	35	50	25	36.7
AGROPYRON TRICHOPHORUM	10	8	15	11.0
SUBTOTAL				47.7
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	0	10	3.3
ATRIPLEX CANESCENS	0	2	0	0.7
CERATOIDES LANATA	22	25	5	17.3
CHRYSOTHAMNUS NAUSEOSUS	20	0	12	10.7
SUBTOTAL				32.0
TOTAL PLANTED SPECIES				90.3
TOTAL INVADED SPECIES				0.0
GRAND TOTAL				90.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON
EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 2
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	0	12	4.0
HEDYSARUM UTAHENSIS	8	2	0	3.3
SUBTOTAL				7.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	2	1	0	1.0
SUBTOTAL				1.0
GRASS - PLANTED				
AGROPYRON SPECIES	20	35	25	26.7
AGROPYRON TRICHOPHORUM	10	5	15	10.0
STIPA VIRIDULA	0	3	0	1.0
SUBTOTAL				37.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	33	4	7	14.7
CERATOIDES LANATA	15	10	8	11.0
CHRYSOTHAMNUS NAUSEOSUS	3	0	0	1.0
PURSHIA TRIDENTATA	1	5	6	4.0
SUBTOTAL				30.7
TOTAL PLANTED SPECIES				75.7
TOTAL INVADED SPECIES				1.0
GRAND TOTAL				76.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 3
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	3	3	2.0
LINUM LEWISII	1	0	0	0.3
SUBTOTAL				2.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	1	1	0	0.7
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	25	10	25	20.0
AGROPYRON TRICHOPHORUM	20	20	15	18.3
ORYZOPSIS HYMENOIDES	1	0	0	0.3
SUBTOTAL				38.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	25	5	10	13.3
CAMPHOROSMA MONSPELIACA	0	0	4	1.3
CERATOIDES LANATA	10	15	7	10.7
CHRYSOTHAMNUS NAUSEOSUS	0	0	12	4.0
PURSHIA TRIDENTATA	1	2	5	2.7
SUBTOTAL				32.0
TOTAL PLANTED SPECIES				73.0
TOTAL INVADED SPECIES				0.7
GRAND TOTAL				73.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 4
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	55	12	25	30.7
SUBTOTAL				30.7
FORB - INVADED				
MACHAERANTHERA PATTERSONII	0	1	0	0.3
UNKNOWN FORB	0	1	0	0.3
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	15	30	50	31.7
AGROPYRON TRICHOPHORUM	10	5	15	10.0
ORYZOPSIS HYMENOIDES	0	1	0	0.3
SUBTOTAL				42.0
SHRUB - PLANTED				
ATRIPLEX CANESCENS	25	10	2	12.3
CAMPHOROSMA MONSPELIACA	1	1	0	0.7
CERATOIDES LANATA	8	1	1	3.3
PURSHIA TRIDENTATA	5	1	2	2.7
SUBTOTAL				19.0
TOTAL PLANTED SPECIES				91.7
TOTAL INVADED SPECIES				0.7
GRAND TOTAL				92.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 5
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	20	12	35	22.3
SUBTOTAL				22.3
FORB - INVADED				
CRYPTANTHA SERICEA	1	0	0	0.3
MACHAERANTHERA PATTERSONII	1	0	0	0.3
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	55	60	35	50.0
AGROPYRON TRICHOPHORUM	0	0	10	3.3
ORYZOPSIS HYMENOIDES	0	1	0	0.3
STIPA VIRIDULA	0	0	2	0.7
SUBTOTAL				54.3
GRASS - INVADED				
BROMUS TECTORUM	2	0	0	0.7
SUBTOTAL				0.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	3	0	2	1.7
CERATOIDES LANATA	0	0	0	0.0
PURSHIA TRIDENTATA	2	15	2	6.3
SUBTOTAL				8.0
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	2	0	0	0.7
SUBTOTAL				0.7
TOTAL PLANTED SPECIES				84.7
TOTAL INVADED SPECIES				2.0
GRAND TOTAL				86.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 6
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	2	55	2	19.7
HEDYSARUM UTAHENSIS	0	0	2	0.7
MELILOTUS OFFICINALIS	1	0	1	0.7
SUBTOTAL				21.0
FORB - INVADED				
CHAENACTIS DOUGLASII	0	1	0	0.3
CRYPTANTHA SERICEA	1	0	0	0.3
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	25	15	20	20.0
AGROPYRON TRICHOPHORUM	15	5	10	10.0
BROMUS INERMIS	6	8	8	7.3
ORYZOPSIS HYMENOIDES	1	5	0	2.0
SUBTOTAL				39.3
GRASS - INVADED				
PHLEUM PRATENSE	0	3	2	1.7
SUBTOTAL				1.7
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	0	15	5.0
ATRIPLEX CANESCENS	15	0	0	5.0
CERATOIDES LANATA	1	6	2	3.0
CHRYSOTHAMNUS NAUSEOSUS	6	0	0	2.0
PURSHIA TRIDENTATA	13	0	4	5.7
SUBTOTAL				20.7
TOTAL PLANTED SPECIES				81.0
TOTAL INVADED SPECIES				2.3
GRAND TOTAL				83.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 7
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	5	20	0	8.3
HEDYSARUM UTAHENSIS	0	0	1	0.3
SUBTOTAL				8.7
FORB - INVADED				
CRYPTANTHA SERICEA	1	1	0	0.7
LOMATIUM JUNIPERINUM	0	0	1	0.3
MACHAERANTHERA PATTERSONII	3	12	0	5.0
SUBTOTAL				6.0
GRASS - PLANTED				
AGROPYRON SPECIES	15	8	35	19.3
AGROPYRON TRICHOPHORUM	15	10	5	10.0
BROMUS INERMIS	0	0	2	0.7
ORYZOPSIS HYMENOIDES	12	10	0	7.3
SUBTOTAL				37.3
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	0	4	1.3
ATRIPLEX CANESCENS	5	10	0	5.0
CERATOIDES LANATA	1	15	30	15.3
CHRYSOTHAMNUS NAUSEOSUS	17	8	0	8.3
PURSHIA TRIDENTATA	0	3	3	2.0
SUBTOTAL				32.0
TOTAL PLANTED SPECIES				78.0
TOTAL INVADED SPECIES				6.0
GRAND TOTAL				84.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 8
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	35	40	60	45.0
SUBTOTAL				45.0
FORB - INVADED				
MACHAERANTHERA PATTERSONII	5	1	0	2.0
UNKNOWN FORB	0	2	0	0.7
SUBTOTAL				2.7
GRASS - PLANTED				
AGROPYRON SPECIES	15	15	15	15.0
AGROPYRON TRICHOPHORUM	5	10	15	10.0
SUBTOTAL				25.0
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	0	5	1.7
CERATOIDES LANATA	0	0	25	8.3
CHRYSOTHAMNUS NAUSEOSUS	30	35	0	21.7
SUBTOTAL				31.7
TOTAL PLANTED SPECIES				102
TOTAL INVADED SPECIES				2.7
GRAND TOTAL				104

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 9
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	3	0	12	5.0
SUBTOTAL				5.0
FORB - INVADED				
ASTRAGALUS PURSHII	0	2	0	0.7
MACHAERANTHERA PATTERSONII	10	2	0	4.0
SUBTOTAL				4.7
GRASS - PLANTED				
AGROPYRON SPECIES	10	15	20	15.0
AGROPYRON TRICHOPHORUM	0	0	15	5.0
SUBTOTAL				20.0
GRASS - INVADED				
BROMUS TECTORUM	5	3	0	2.7
KOELERIA MACRANTHA	10	8	0	6.0
SUBTOTAL				8.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	4	22	8.7
CAMPHOROSMA MONSPELIACA	15	0	0	5.0
CERATOIDES LANATA	1	0	14	5.0
CHRYSOTHAMNUS NAUSEOSUS	5	5	22	10.7
PURSHIA TRIDENTATA	0	0	2	0.7
SUBTOTAL				30.0
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	0	4	0	1.3
SUBTOTAL				1.3
TOTAL PLANTED SPECIES				55.0
TOTAL INVADED SPECIES				14.7
GRAND TOTAL				69.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 10
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	55	20	0	25.0
HEDYSARUM UTAHENSIS	0	0	1	0.3
SUBTOTAL				25.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	3	1	0	1.3
UNKNOWN FORB	0	1	0	0.3
SUBTOTAL				1.7
GRASS - PLANTED				
AGROPYRON SPECIES	10	15	25	16.7
AGROPYRON TRICHOPHORUM	10	25	20	18.3
BROMUS INERMIS	3	0	1	1.3
ORYZOPSIS HYMENOIDES	3	5	0	2.7
STIPA VIRIDULA	4	0	0	1.3
SUBTOTAL				40.3
GRASS - INVADED				
AGROPYRON CRISTATUM	8	0	0	2.7
SUBTOTAL				2.7
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	10	0	0	3.3
ATRIPLEX CANESCENS	0	3	5	2.7
CERATOIDES LANATA	0	8	1	3.0
CHRYSOTHAMNUS NAUSEOSUS	0	0	15	5.0
PURSHIA TRIDENTATA	0	0	3	1.0
SUBTOTAL				15.0
TOTAL PLANTED SPECIES				80.7
TOTAL INVADED SPECIES				4.3
GRAND TOTAL				85.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 11
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	35	30	40	35.0
SUBTOTAL				35.0
GRASS - PLANTED				
AGROPYRON SPECIES	25	10	25	20.0
AGROPYRON TRICHOPHORUM	10	5	15	10.0
BROMUS INERMIS	0	0	3	1.0
SUBTOTAL				31.0
GRASS - INVADED				
BROMUS TECTORUM	1	1	0	0.7
SUBTOTAL				0.7
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	35	0	11.7
ATRIPLEX CANESCENS	0	0	5	1.7
CERATOIDES LANATA	0	8	1	3.0
CHRYSOTHAMNUS NAUSEOSUS	15	0	0	5.0
PURSHIA TRIDENTATA	1	0	0	0.3
SUBTOTAL				21.7
TOTAL PLANTED SPECIES				87.7
TOTAL INVADED SPECIES				0.7
GRAND TOTAL				88.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 12
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= HIGH SEEDING RATE (28 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	13	0	0	4.3
SUBTOTAL				4.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	1	0	0	0.3
SUBTOTAL				0.3
GRASS - PLANTED				
AGROPYRON SPECIES	27	35	55	39.0
AGROPYRON TRICHOPHORUM	8	10	0	6.0
BROMUS INERMIS	2	0	0	0.7
SUBTOTAL				45.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	0	1	0.3
PURSHIA TRIDENTATA	3	2	2	2.3
SUBTOTAL				2.7
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	0	0	2	0.7
SUBTOTAL				0.7
TOTAL PLANTED SPECIES				52.7
TOTAL INVADED SPECIES				1.0
GRAND TOTAL				53.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 13
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	40	45	28	37.7
LINUM LEWISII	0	0	1	0.3
SUBTOTAL				38.0
FORB - INVADED				
MACHAERANTHERA PATTERSONII	1	0	1	0.7
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	5	10	15	10.0
AGROPYRON TRICHOPHORUM	15	5	5	8.3
ORYZOPSIS HYMENOIDES	10	0	0	3.3
SUBTOTAL				21.7
GRASS - INVADED				
AGROPYRON CRISTATUM	5	0	0	1.7
SUBTOTAL				1.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	70	15	28.3
CERATOIDES LANATA	0	4	0	1.3
CHRYSOTHAMNUS NAUSEOSUS	22	0	0	7.3
SUBTOTAL				37.0
TOTAL PLANTED SPECIES				96.7
TOTAL INVADED SPECIES				2.3
GRAND TOTAL				99.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 14
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	35	18	0	17.7
SUBTOTAL				17.7
FORB - INVADED				
MACHAERANTHERA PATTERSONII	2	0	0	0.7
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	15	30	25	23.3
AGROPYRON TRICHOPHORUM	0	5	10	5.0
BROMUS INERMIS	2	0	1	1.0
ORYZOPSIS HYMENOIDES	0	2	0	0.7
SUBTOTAL				30.0
GRASS - INVADED				
AGROPYRON CRISTATUM	20	15	5	13.3
SUBTOTAL				13.3
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	0	25	8.3
ATRIPLEX CANESCENS	20	10	8	12.7
CERATOIDES LANATA	0	15	0	5.0
PURSHIA TRIDENTATA	0	0	3	1.0
SUBTOTAL				27.0
TOTAL PLANTED SPECIES				74.7
TOTAL INVADED SPECIES				14.0
GRAND TOTAL				88.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 15
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	55	12	8	25.0
SUBTOTAL				25.0
FORB - INVADED				
CRYPTANTHA SERICEA	0	0	1	0.3
MACHAERANTHERA PATTERSONII	2	0	0	0.7
SUBTOTAL				1.0
GRASS - PLANTED				
AGROPYRON SPECIES	20	30	30	26.7
AGROPYRON TRICHOPHORUM	10	0	5	5.0
BROMUS INERMIS	0	0	8	2.7
ORYZOPSIS HYMENOIDES	3	0	0	1.0
STIPA VIRIDULA	0	5	0	1.7
SUBTOTAL				37.0
GRASS - INVADED				
BROMUS TECTORUM	0	3	0	1.0
SUBTOTAL				1.0
SHRUB - PLANTED				
CERATOIDES LANATA	10	10	13	11.0
PURSHIA TRIDENTATA	0	2	0	0.7
SUBTOTAL				11.7
TOTAL PLANTED SPECIES				73.7
TOTAL INVADED SPECIES				2.0
GRAND TOTAL				75.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 16
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	30	28	23	27.0
LINUM LEWISII	0	0	1	0.3
SUBTOTAL				27.3
FORB - INVADED				
UNKNOWN FORB	0	1	1	0.7
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	12	8	20	13.3
AGROPYRON TRICHOPHORUM	0	0	10	3.3
BROMUS INERMIS	1	0	0	0.3
SUBTOTAL				17.0
GRASS - INVADED				
AGROPYRON CRISTATUM	20	30	5	18.3
SUBTOTAL				18.3
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	0	10	3.3
CERATOIDES LANATA	2	0	3	1.7
PURSHIA TRIDENTATA	0	0	2	0.7
SUBTOTAL				5.7
TOTAL PLANTED SPECIES				50.0
TOTAL INVADED SPECIES				19.0
GRAND TOTAL				69.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 17
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	3	8	2	4.3
MELILOTUS OFFICINALIS	0	0	1	0.3
SUBTOTAL				4.7
FORB - INVADED				
CRYPTANTHA SERICEA	1	1	0	0.7
LOMATIUM JUNIPERINUM	3	0	0	1.0
MACHAERANTHERA PATTERSONII	0	1	0	0.3
SENECIO MULTILOBATUS	1	0	0	0.3
UNKNOWN FORB	1	0	0	0.3
SUBTOTAL				2.7
GRASS - PLANTED				
AGROPYRON SPECIES	25	20	10	18.3
AGROPYRON TRICHOPHORUM	0	5	5	3.3
BROMUS INERMIS	2	0	0	0.7
ORYZOPSIS HYMENOIDES	0	3	8	3.7
SUBTOTAL				26.0
GRASS - INVADED				
AGROPYRON CRISTATUM	0	0	3	1.0
SITANION HYSTRIX	3	0	0	1.0
SUBTOTAL				2.0
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	18	0	6.0
PURSHIA TRIDENTATA	0	3	0	1.0
SUBTOTAL				7.0
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	4	8	15	9.0
RHUS TRILOBATA	1	0	0	0.3
SUBTOTAL				9.3
TOTAL PLANTED SPECIES				37.7
TOTAL INVADED SPECIES				14.0
GRAND TOTAL				51.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 18
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	6	8	4.7
SUBTOTAL				4.7
FORB - INVADED				
CRYPTANTHA SERICEA	0	1	0	0.3
SUBTOTAL				0.3
GRASS - PLANTED				
AGROPYRON SPECIES	10	10	15	11.7
AGROPYRON TRICHOPHORUM	5	15	45	21.7
BROMUS INERMIS	2	0	0	0.7
SUBTOTAL				34.0
GRASS - INVADED				
AGROPYRON CRISTATUM	0	3	0	1.0
KOELERIA MACRANTHA	25	12	5	14.0
SITANION HYSTRIX	5	0	0	1.7
SUBTOTAL				16.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	10	0	0	3.3
CERATOIDES LANATA	0	0	4	1.3
CHRYSOTHAMNUS NAUSEOSUS	0	0	14	4.7
SUBTOTAL				9.3
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	1	4	0	1.7
SUBTOTAL				1.7
TOTAL PLANTED SPECIES				48.0
TOTAL INVADED SPECIES				18.7
GRAND TOTAL				66.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 19
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	0	4	1.3
SUBTOTAL				1.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	1	0	0	0.3
UNKNOWN FORB	0	0	1	0.3
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	18	20	10	16.0
AGROPYRON TRICHOPHORUM	5	15	10	10.0
ORYZOPSIS HYMENOIDES	3	0	0	1.0
STIPA VIRIDULA	0	6	0	2.0
SUBTOTAL				29.0
GRASS - INVADED				
BROMUS TECTORUM	1	0	0	0.3
SITANION HYSTRIX	4	0	0	1.3
SUBTOTAL				1.7
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	0	25	8.3
ATRIPLEX BONNEVILLENSIS	0	12	0	4.0
CAMPHOROSMA MONSPELIACA	5	0	0	1.7
CERATOIDES LANATA	1	14	10	8.3
CHRYSOTHAMNUS NAUSEOSUS	0	0	6	2.0
PURSHIA TRIDENTATA	2	0	0	0.7
SUBTOTAL				25.0
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	12	0	0	4.0
SUBTOTAL				4.0
TOTAL PLANTED SPECIES				55.3
TOTAL INVADED SPECIES				6.3
GRAND TOTAL				61.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 20
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	1	4	8	4.3
SUBTOTAL				4.3
FORB - INVADED				
SPHAERALCEA COCCINEA	0	3	0	1.0
SUBTOTAL				1.0
GRASS - PLANTED				
AGROPYRON SPECIES	25	15	35	25.0
AGROPYRON TRICHOPHORUM	0	8	0	2.7
ORYZOPSIS HYMENOIDES	0	2	0	0.7
STIPA VIRIDULA	0	0	3	1.0
SUBTOTAL				29.3
GRASS - INVADED				
AGROPYRON CRISTATUM	0	7	0	2.3
BROMUS TECTORUM	1	0	0	0.3
SUBTOTAL				2.7
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	7	0	0	2.3
ATRIPLEX CANESCENS	0	45	7	17.3
CERATOIDES LANATA	7	0	0	2.3
CHRYSOTHAMNUS NAUSEOSUS	40	0	0	13.3
PURSHIA TRIDENTATA	0	0	6	2.0
SUBTOTAL				37.3
TOTAL PLANTED SPECIES				71.0
TOTAL INVADED SPECIES				3.7
GRAND TOTAL				74.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 21
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	28	0	30	19.3
LINUM LEWISII	0	1	0	0.3
SUBTOTAL				19.7
FORB - INVADED				
MACHAERANTHERA PATTERSONII	1	0	0	0.3
SUBTOTAL				0.3
GRASS - PLANTED				
AGROPYRON SPECIES	20	25	25	23.3
AGROPYRON TRICHOPHORUM	5	10	10	8.3
SUBTOTAL				31.7
GRASS - INVADED				
AGROPYRON CRISTATUM	0	4	0	1.3
BROMUS TECTORUM	2	0	0	0.7
SITANION HYSTRIX	3	0	0	1.0
SUBTOTAL				3.0
SHRUB - PLANTED				
ATRIPLEX CANESCENS	3	15	8	8.7
CERATOIDES LANATA	18	0	10	9.3
SUBTOTAL				18.0
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	3	2	0	1.7
SUBTOTAL				1.7
TOTAL PLANTED SPECIES				69.3
TOTAL INVADED SPECIES				5.0
GRAND TOTAL				74.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 22
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	35	30	21.7
SUBTOTAL				21.7
FORB - INVADED				
UNKNOWN FORB	0	0	3	1.0
SUBTOTAL				1.0
GRASS - PLANTED				
AGROPYRON SPECIES	10	20	15	15.0
AGROPYRON TRICHOPHORUM	5	15	15	11.7
ORYZOPSIS HYMENOIDES	8	0	0	2.7
SUBTOTAL				29.3
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	0	4	1.3
CAMPHOROSMA MONSPELIACA	0	2	0	0.7
CERATOIDES LANATA	12	6	10	9.3
CERCOCARPUS MONTANUS	3	0	0	1.0
CHRYSOTHAMNUS NAUSEOSUS	2	0	0	0.7
PURSHIA TRIDENTATA	0	4	3	2.3
SUBTOTAL				15.3
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	12	1	0	4.3
SUBTOTAL				4.3
TOTAL PLANTED SPECIES				66.3
TOTAL INVADED SPECIES				5.3
GRAND TOTAL				71.7

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 23
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	8	4	4	5.3
MELILOTUS OFFICINALIS	0	1	0	0.3
SUBTOTAL				5.7
FORB - INVADED				
MACHAERANTHERA PATTERSONII	12	0	0	4.0
SUBTOTAL				4.0
GRASS - PLANTED				
AGROPYRON SPECIES	8	35	35	26.0
AGROPYRON TRICHOPHORUM	0	15	0	5.0
BROMUS INERMIS	2	0	0	0.7
ORYZOPSIS HYMENOIDES	4	0	3	2.3
SUBTOTAL				34.0
GRASS - INVADED				
AGROPYRON CRISTATUM	10	6	0	5.3
BROMUS TECTORUM	2	0	5	2.3
SUBTOTAL				7.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	6	6	4.0
CERATOIDES LANATA	14	3	0	5.7
CHRYSOTHAMNUS NAUSEOSUS	2	0	18	6.7
PURSHIA TRIDENTATA	0	0	4	1.3
SUBTOTAL				17.7
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	0	4	0	1.3
SUBTOTAL				1.3
TOTAL PLANTED SPECIES				57.3
TOTAL INVADED SPECIES				13.0
GRAND TOTAL				70.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 24
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= MEDIUM SEEDING RATE (22 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	3	25	12	13.3
SUBTOTAL				13.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	2	3	0	1.7
SUBTOTAL				1.7
GRASS - PLANTED				
AGROPYRON SPECIES	15	25	25	21.7
AGROPYRON TRICHOPHORUM	20	5	10	11.7
BROMUS INERMIS	3	4	3	3.3
SUBTOTAL				36.7
GRASS - INVADED				
BROMUS TECTORUM	2	0	1	1.0
SUBTOTAL				1.0
SHRUB - PLANTED				
CERATOIDES LANATA	15	4	5	8.0
PURSHIA TRIDENTATA	0	3	3	2.0
SUBTOTAL				10.0
TOTAL PLANTED SPECIES				60.0
TOTAL INVADED SPECIES				2.7
GRAND TOTAL				62.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 25
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	10	20	10.0
LINUM LEWISII	0	1	0	0.3
SUBTOTAL				10.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	0	2	0	0.7
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	10	30	40	26.7
AGROPYRON TRICHOPHORUM	15	0	0	5.0
BROMUS INERMIS	6	7	2	5.0
STIPA VIRIDULA	0	0	3	1.0
SUBTOTAL				37.7
GRASS - INVADED				
AGROPYRON CRISTATUM	8	5	0	4.3
BROMUS TECTORUM	2	2	0	1.3
SUBTOTAL				5.7
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	18	0	0	6.0
ATRIPLEX CANESCENS	0	0	20	6.7
CERATOIDES LANATA	4	18	0	7.3
CHRYSOTHAMNUS NAUSEOSUS	0	0	10	3.3
SUBTOTAL				23.3
TOTAL PLANTED SPECIES				71.3
TOTAL INVADED SPECIES				6.3
GRAND TOTAL				77.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 26
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	10	35	15.0
SUBTOTAL				15.0
GRASS - PLANTED				
AGROPYRON SPECIES	8	10	35	17.7
AGROPYRON TRICHOPHORUM	5	20	0	8.3
BROMUS INERMIS	1	0	5	2.0
SUBTOTAL				28.0
GRASS - INVADED				
AGROPYRON CRISTATUM	35	5	12	17.3
SUBTOTAL				17.3
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	20	8	9.3
CERATOIDES LANATA	3	5	2	3.3
CHRYSOTHAMNUS NAUSEOSUS	12	3	0	5.0
PURSHIA TRIDENTATA	0	0	6	2.0
SUBTOTAL				19.7
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	2	0	0	0.7
SUBTOTAL				0.7
TOTAL PLANTED SPECIES				62.7
TOTAL INVADED SPECIES				18.0
GRAND TOTAL				80.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 27
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	8	40	4	17.3
SUBTOTAL				17.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	0	0	1	0.3
SUBTOTAL				0.3
GRASS - PLANTED				
AGROPYRON SPECIES	45	20	15	26.7
AGROPYRON TRICHOPHORUM	10	15	10	11.7
BROMUS INERMIS	0	0	5	1.7
ORYZOPSIS HYMENOIDES	0	0	2	0.7
STIPA VIRIDULA	0	0	8	2.7
SUBTOTAL				43.3
GRASS - INVADED				
AGROPYRON CRISTATUM	8	0	0	2.7
SUBTOTAL				2.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	35	0	11.7
CERATOIDES LANATA	10	2	0	4.0
CHRYSOTHAMNUS NAUSEOSUS	0	0	3	1.0
SUBTOTAL				16.7
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	0	0	2	0.7
SUBTOTAL				0.7
TOTAL PLANTED SPECIES				77.3
TOTAL INVADED SPECIES				3.7
GRAND TOTAL				81.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 28
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	8	0	45	17.7
HEDYSARUM UTAHENSIS	0	1	0	0.3
SUBTOTAL				18.0
FORB - INVADED				
MACHAERANTHERA PATTERSONII	1	0	0	0.3
SUBTOTAL				0.3
GRASS - PLANTED				
AGROPYRON SPECIES	5	15	20	13.3
AGROPYRON TRICHOPHORUM	15	10	0	8.3
STIPA VIRIDULA	5	0	4	3.0
SUBTOTAL				24.7
GRASS - INVADED				
AGROPYRON CRISTATUM	9	8	5	7.3
SUBTOTAL				7.3
SHRUB - PLANTED				
ATRIPLEX CANESCENS	12	0	0	4.0
CERATOIDES LANATA	0	2	0	0.7
SUBTOTAL				4.7
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	0	0	25	8.3
SUBTOTAL				8.3
TOTAL PLANTED SPECIES				47.3
TOTAL INVADED SPECIES				16.0
GRAND TOTAL				63.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 29
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	1	8	3	4.0
SUBTOTAL				4.0
FORB - INVADED				
CRYPTANTHA SERICEA	1	0	0	0.3
SUBTOTAL				0.3
GRASS - PLANTED				
AGROPYRON SPECIES	15	20	15	16.7
AGROPYRON TRICHOPHORUM	10	5	0	5.0
BROMUS INERMIS	0	0	2	0.7
ORYZOPSIS HYMENOIDES	0	0	7	2.3
STIPA VIRIDULA	0	0	4	1.3
SUBTOTAL				26.0
GRASS - INVADED				
AGROPYRON CRISTATUM	10	15	0	8.3
KOELERIA MACRANTHA	2	0	0	0.7
SUBTOTAL				9.0
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	10	0	3.3
CERATOIDES LANATA	0	14	0	4.7
PURSHIA TRIDENTATA	5	6	0	3.7
SUBTOTAL				11.7
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	3	0	0	1.0
SUBTOTAL				1.0
TOTAL PLANTED SPECIES				41.7
TOTAL INVADED SPECIES				10.3
GRAND TOTAL				52.0

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 30
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	45	5	4	18.0
SUBTOTAL				18.0
GRASS - PLANTED				
AGROPYRON SPECIES	25	20	15	20.0
AGROPYRON TRICHOPHORUM	0	15	20	11.7
ORYZOPSIS HYMENOIDES	0	0	3	1.0
SUBTOTAL				32.7
GRASS - INVADED				
AGROPYRON CRISTATUM	0	3	8	3.7
SUBTOTAL				3.7
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	15	12	9.0
CERATOIDES LANATA	25	3	8	12.0
PURSHIA TRIDENTATA	0	3	0	1.0
SUBTOTAL				22.0
TOTAL PLANTED SPECIES				72.7
TOTAL INVADED SPECIES				3.7
GRAND TOTAL				76.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 31
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	12	3	5.0
SUBTOTAL				5.0
FORB - INVADED				
CRYPTANTHA SERICEA	1	0	0	0.3
UNKNOWN FORB	1	0	0	0.3
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	60	45	65	56.7
AGROPYRON TRICHOPHORUM	0	5	0	1.7
BROMUS INERMIS	3	2	0	1.7
STIPA VIRIDULA	0	4	0	1.3
SUBTOTAL				61.3
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	0	4	1.3
CERATOIDES LANATA	0	0	2	0.7
SUBTOTAL				2.0
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	0	1	0	0.3
SUBTOTAL				0.3
TOTAL PLANTED SPECIES				68.3
TOTAL INVADED SPECIES				1.0
GRAND TOTAL				69.3

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 32
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	5	3	8	5.3
SUBTOTAL				5.3
FORB - INVADED				
MACHAERANTHERA PATTERSONII	0	0	1	0.3
SENECIO MULTILOBATUS	1	0	0	0.3
SUBTOTAL				0.7
GRASS - PLANTED				
AGROPYRON SPECIES	20	10	5	11.7
AGROPYRON TRICHOPHORUM	10	20	15	15.0
ORYZOPSIS HYMENOIDES	3	0	0	1.0
SUBTOTAL				27.7
GRASS - INVADED				
BROMUS TECTORUM	1	0	0	0.3
SUBTOTAL				0.3
SHRUB - PLANTED				
ATRIPLEX BONNEVILLENSIS	0	10	0	3.3
CHRYSOTHAMNUS NAUSEOSUS	0	0	70	23.3
PURSHIA TRIDENTATA	12	0	0	4.0
SUBTOTAL				30.7
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	0	5	0	1.7
SUBTOTAL				1.7
TOTAL PLANTED SPECIES				63.7
TOTAL INVADED SPECIES				2.7
GRAND TOTAL				66.3

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 33
SUBSTRATE TREATMENT= PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HYDROMULCH (1.7 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	0	3	1.0
MELILOTUS OFFICINALIS	0	0	1	0.3
SUBTOTAL				1.3
FORB - INVADED				
DESCURAINIA RICHARDSONII	0	0	1	0.3
MACHAERANTHERA PATTERSONII	1	2	0	1.0
UNKNOWN FORB	0	0	1	0.3
SUBTOTAL				1.7
GRASS - PLANTED				
AGROPYRON SPECIES	15	10	10	11.7
AGROPYRON TRICHOPHORUM	3	3	5	3.7
ORYZOPSIS HYMENOIDES	3	3	0	2.0
SUBTOTAL				17.3
GRASS - INVADED				
BROMUS TECTORUM	2	2	0	1.3
KOELERIA MACRANTHA	1	0	0	0.3
SUBTOTAL				1.7
SHRUB - PLANTED				
CERATOIDES LANATA	3	0	12	5.0
CHRYSOTHAMNUS NAUSEOSUS	0	35	28	21.0
SUBTOTAL				26.0
SHRUB - INVADED				
GUTIERREZIA SARCTHRAE	5	0	0	1.7
SUBTOTAL				1.7
TOTAL PLANTED SPECIES				44.7
TOTAL INVADED SPECIES				5.0
GRAND TOTAL				49.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 34
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= NO MULCH

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	10	0	3.3
LINUM LEWISII	0	0	2	0.7
SUBTOTAL				4.0
GRASS - PLANTED				
AGROPYRON SPECIES	8	15	10	11.0
AGROPYRON TRICHOPHORUM	0	15	0	5.0
BROMUS INERMIS	3	0	0	1.0
ORYZOPSIS HYMENOIDES	3	2	5	3.3
STIPA VIRIDULA	3	0	0	1.0
SUBTOTAL				21.3
GRASS - INVADED				
KOELERIA MACRANTHA	2	0	4	2.0
SUBTOTAL				2.0
SHRUB - PLANTED				
ATRIPLEX CANESCENS	0	10	25	11.7
CERATOIDES LANATA	0	3	0	1.0
CHRYSOTHAMNUS NAUSEOSUS	0	8	0	2.7
PURSHIA TRIDENTATA	8	0	0	2.7
SUBTOTAL				18.0
SHRUB - INVADED				
GUTIERREZIA SAROTHRAE	4	0	0	1.3
SUBTOTAL				1.3
TOTAL PLANTED SPECIES				43.3
TOTAL INVADED SPECIES				3.3
GRAND TOTAL				46.7

APPENDIX . PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 35
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	0	20	2	7.3
SUBTOTAL				7.3
FORB - INVADED				
SENECIO MULTILOBATUS	1	0	0	0.3
SUBTOTAL				0.3
GRASS - PLANTED				
AGROPYRON SPECIES	0	15	10	8.3
AGROPYRON TRICHOPHORUM	0	15	0	5.0
BROMUS INERMIS	2	1	3	2.0
ORYZOPSIS HYMENOIDES	0	0	8	2.7
STIPA VIRIDULA	0	0	5	1.7
SUBTOTAL				19.7
GRASS - INVADED				
AGROPYRON CRISTATUM	35	8	2	15.0
SUBTOTAL				15.0
SHRUB - PLANTED				
ATRIPLEX CANESCENS	20	5	40	21.7
CHRYSOTHAMNUS NAUSEOSUS	6	0	12	6.0
PURSHIA TRIDENTATA	0	5	1	2.0
SUBTOTAL				29.7
TOTAL PLANTED SPECIES				56.7
TOTAL INVADED SPECIES				15.3
GRAND TOTAL				72.0

APPENDIX • PERCENT COVER OF PLANT SPECIES SAMPLED ON EXPERIMENTAL REVEGETATION PLOT R-3
REPORT YEAR= 1984

SAMPLE PLOT NUMBER= 36
SUBSTRATE TREATMENT= NO PROCESSED SHALE
SEEDING TREATMENT= LOW SEEDING RATE (17 KG/HA)
MULCHING TREATMENT= HAY (4.5 MT/HA)

SPECIES	SUBPLOTS #4	#5	#6	TREATMENT PLOT AVERAGE
FORB - PLANTED				
ASTRAGALUS CICER	4	10	35	16.3
SUBTOTAL				16.3
GRASS - PLANTED				
AGROPYRON SPECIES	15	20	25	20.0
AGROPYRON TRICHOPHORUM	10	10	0	6.7
STIPA VIRIDULA	0	3	0	1.0
SUBTOTAL				27.7
GRASS - INVADED				
AGROPYRON CRISTATUM	5	5	0	3.3
BROMUS TECTORUM	3	0	0	1.0
SUBTOTAL				4.3
SHRUB - PLANTED				
ARTEMISIA TRIDENTATA	0	4	12	5.3
ATRIPLEX CANESCENS	18	25	0	14.3
CERATOIDES LANATA	0	0	14	4.7
PURSHIA TRIDENTATA	6	0	0	2.0
SUBTOTAL				26.3
TOTAL PLANTED SPECIES				70.3
TOTAL INVADED SPECIES				4.3
GRAND TOTAL				74.7

APPENDIX 6-1.5

Analyses for Plot R-3 Experimental Revegetation Data

Duncan's Multiple Range Test results for significant main effect differences as identified for analyses summarized on Table 6-9.
Mulch and substrate designations are presented on Figure 6-3.

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
EXPERIMENTAL REVEGETATION STUDIES - R3 COVER

THREE-WAY ANALYSIS OF VARIANCE COMPARING
SUBSTRATE, SEEDING, AND MULCH TREATMENTS
FOR INVADED (NON-PLANTED) SPECIES (SUBPLOTS 4, 5, AND 6)
REPORT YEAR=1984 GROWTH FORM=GRASS

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: COVER
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=25 MSE=.0026283

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=12.3158

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	MULCH
A	0.059449	18	HAY MULCH
A			
A	0.024374	13	HYDROMULCH
A			
A	0.015557	9	NO MULCH

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
EXPERIMENTAL REVEGETATION STUDIES - R3 COVER

THREE-WAY ANALYSIS OF VARIANCE COMPARING
SUBSTRATE, SEEDING, AND MULCH TREATMENTS
FOR PLANTED SPECIES (SUBPLOTS 4, 5, AND 6)
REPORT YEAR=1984 GROWTH FORM=SHRUB

GENERAL LINEAR MODELS PROCEDURE

UNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: COVER
OTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

LPHA=0.05 DF=111 MSE=.0027879

ARNING: CELL SIZES ARE NOT EQUAL.
ARMONIC MEAN OF CELL SIZES=64.4651

EANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

UNCAN GROUPING	MEAN	N	SUBSTRAT
A	0.070346	66	PROCESSED SHALE
B	0.042024	63	NO SHALE

Duncan's Multiple Range Test results for
significant main effect differences
as identified for analyses summarized
on Table 6-10.

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
EXPERIMENTAL REVEGETATION STUDIES - R3 COVER

THREE-WAY ANALYSIS OF VARIANCE COMPARING
SUBSTRATE, SEEDING, AND MULCH TREATMENTS
FOR THE PLANTED SPECIES (SUBPLOTS 4, 5, AND 6)
REPORT YEAR=1984 SPECIES=CERATOIDES LANATA

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: COVER
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=14 MSE=.0014048

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=15.9375

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SUBSTRAT
A	0.073879	17	PROCESSED SHALE
B	0.040929	15	NO SHALE

RIO BLANCO OIL SHALE COMPANY
VEGETATION MONITORING PROGRAM
EXPERIMENTAL REVEGETATION STUDIES - R3 COVER

THREE-WAY ANALYSIS OF VARIANCE COMPARING
SUBSTRATE, SEEDING, AND MULCH TREATMENTS
FOR THE PLANTED SPECIES (SUBPLOTS 4, 5, AND 6)
REPORT YEAR=1984 SPECIES=CHRYSOTHAMNUS NAUSEOSUS

GENERAL LINEAR MODELS PROCEDURE

UNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: COVER
OTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

LPHA=0.05 DF=8 MSE=.0028883

ARNING: CELL SIZES ARE NOT EQUAL.
ARMONIC MEAN OF CELL SIZES=6.87898

EANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

UNCAN GROUPING		MEAN	N	MULCH
	A	0.11511	9	HYDROMULCH
	A			
B	A	0.05923	8	HAY MULCH
B				
B		0.03002	5	NO MULCH

APPENDIX 6-2

Mule Deer Habitat Modification Studies

APPENDIX 6-2.1

Mule Deer Habitat Modification
Studies Data

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

HABITAT=SAGEBRUSH TRANSECT= 1 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	46
3	SHRUB	ARTEMISIA TRIDENTATA	INVADED	72
6	FORB	MACHAERANTHERA PATTERSONII	INVADED	2
6	FORB	IPOMOPSIS AGGREGATA	INVADED	1
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	52
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	72
9	FORB	IPOMOPSIS AGGREGATA	INVADED	1
9	SHRUB	ARTEMISIA TRIDENTATA	INVADED	36
10	FORB	CHENOPODIUM SPECIES	INVADED	6
10	FORB	UNKNOWN FORB	INVADED	1
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	52
11	SHRUB	GUTIERREZIA SAROTHRAE	INVADED	10
11	FORB	CHENOPODIUM SPECIES	INVADED	1
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

HABITAT=SAGEBRUSH TRANSECT= 2 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
7	GRASS	CRYZOPSIS HYMENOIDES	PLANTED	5
7	FORB	CHENOPODIUM SPECIES	INVADED	1
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	20
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42

HABITAT=SAGEBRUSH TRANSECT= 2 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	FORB	SALSOLA KALI	INVADED	3
8	FORB	CHENOPODIUM SPECIES	INVADED	1
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	2
11	FORB	MACHAERANTHERA PATTERSONII	INVADED	5
11	FORB	LEPIDIUM MONTANUM	INVADED	4
11	FORB	SALSOLA KALI	INVADED	10
11	FORB	CHENOPODIUM SPECIES	INVADED	3
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	6

HABITAT=SAGEBRUSH TRANSECT= 2 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
3	GRASS	BROMUS TECTORUM	INVADED	1
3	GRASS	KOELERIA CRISTATA	INVADED	1
3	FORB	CHENOPODIUM SPECIES	INVADED	1
3	FORB	DESCURAINIA RICHARDSONII	INVADED	1
3	SHRUB	ARTEMISIA TRIDENTATA	INVADED	34
3	SHRUB	ATRIPLEX CANESCENS	PLANTED	4

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1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

6	FORB	CHENOPODIUM SPECIES	INVADED	1
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	72

HABITAT=SAGEBRUSH TRANSECT= 2 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	GRASS	AGROPYRON SPECIES	PLANTED	12
2	FORB	CHENOPODIUM SPECIES	INVADED	1
2	FORB	ASTRAGALUS CICER	PLANTED	1
2	FORB	MELILOTUS OFFICINALIS	PLANTED	1
2	FORB	SALSOLA KALI	INVADED	1
2	SHRUB	ATRIPLEX CANESCENS	PLANTED	2
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	16
5	GRASS	AGROPYRON SPECIES	PLANTED	18
5	SHRUB	SALSOLA KALI	INVADED	4
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	14
5	SHRUB	ATRIPLEX CANESCENS	PLANTED	2

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

HABITAT=SAGEBRUSH TRANSECT= 3 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
10	FORB	MACHAERANTHERA PATTERSONII	INVADED	1
10	FORB	CHENOPODIUM SPECIES	INVADED	1
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	48
10	SHRUB	SARCOBATUS VERMICULATUS	INVADED	4
12	GRASS	SITANION HYSTRIX	INVADED	3
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42

HABITAT=SAGEBRUSH TRANSECT= 3 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	30
8	FORB	SALSOLA KALI	INVADED	4
8	FORB	MACHAERANTHERA PATTERSONII	INVADED	3
8	FORB	CHENOPODIUM SPECIES	INVADED	3
8	SHRUB	SARCOBATUS VERMICULATUS	INVADED	2
11	SHRUB	GUTIERREZIA SAROTHRAE	INVADED	2
11	FORB	SALSOLA KALI	INVADED	2
11	GRASS	AGROPYRON SPECIES	INVADED	1
11	FORB	UNKNOWN FORB	INVADED	2
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	8

HABITAT=SAGEBRUSH TRANSECT= 3 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
1	GRASS	AGROPYRON SPECIES	PLANTED	2
1	SHRUB	ARTEMISIA TRIDENTATA	INVADED	36

RIO BLANCO OIL SHALE COMPANY

TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES

1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

1	SHRUB	ATRIPLEX CANESCENS	PLANTED	4
3	FORB	CHENOPODIUM SPECIES	INVADED	1
3	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42

HABITAT=SAGEBRUSH TRANSECT= 3 ORIENTATION = PERPENDICULAR TO WIND

SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	GRASS	AGROPYRON SPECIES	PLANTED	3
2	FORB	MEDICAGO SATIVA	PLANTED	1
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42
5	FORB	CHENOPODIUM SPECIES	INVADED	2
5	GRASS	AGROPYRON SPECIES	PLANTED	10
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	38

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

HABITAT=SAGEBRUSH TRANSECT= 4 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
7	FORB	CHENOPODIUM SPECIES	INVADED	4
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	56
12	FORB	CHENOPODIUM SPECIES	INVADED	12
12	FORB	OROBANCHE FASCICULATA	INVADED	1
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	30
12	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	4

HABITAT=SAGEBRUSH TRANSECT= 4 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	66
11	FORB	SALSOLA KALI	INVADED	5
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	36

HABITAT=SAGEBRUSH TRANSECT= 4 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
4	FORB	DESCURAINIA RICHARDSONII	INVADED	1
4	GRASS	AGROPYRON CRISTATUM	INVADED	3
4	FORB	CHENOPODIUM SPECIES	INVADED	1
4	FORB	CRYPTANTHA SERICEA	INVADED	1
4	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42
6	GRASS	AGROPYRON CRISTATUM	PLANTED	2
6	FORB	CHENOPODIUM SPECIES	INVADED	5
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	74
6	FORB	MACHAERANTHERA PATTERSONII	INVADED	1

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TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

HABITAT=SAGEBRUSH TRANSECT= 4 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	GRASS	ELYMUS JUNCEUS	PLANTED	45
2	FORB	CHENOPODIUM SPECIES	INVADED	1
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	48
5	GRASS	AGROPYRON CRISTATUM	PLANTED	15
5	GRASS	AGROPYRON SPECIES	PLANTED	20
5	FORB	MELILOTUS OFFICINALIS	PLANTED	2
5	FORB	CRYPTANTHA SERICEA	INVADED	1
5	FORB	SALSOLA KALI	INVADED	1
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	46

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HABITAT=SAGEBRUSH TRANSECT= 5 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
9	FORB	CHENOPODIUM SPECIES	INVADED	1
9	SHRUB	ARTEMISIA TRIDENTATA	INVADED	50
10	FORB	CHENOPODIUM SPECIES	INVADED	5
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	44

HABITAT=SAGEBRUSH TRANSECT= 5 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	GRASS	ORYZOPSIS HYMENOIDES	PLANTED	2
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	40
8	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	4
11	FORB	CHENOPODIUM SPECIES	INVADED	4
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	64

HABITAT=SAGEBRUSH TRANSECT= 5 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
1	FORB	CHENOPODIUM SPECIES	INVADED	6
1	SHRUB	ARTEMISIA TRIDENTATA	INVADED	52
6	FORB	CHENOPODIUM SPECIES	INVADED	12
6	FORB	CRUCIFERAE SPECIES	INVADED	15
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	44
6	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	4

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HABITAT=SAGEBRUSH TRANSECT= 5 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	GRASS	ELYMUS JUNCEUS	PLANTED	12
2	GRASS	AGROPYRON CRISTATUM	PLANTED	6
2	FORB	CHENOPODIUM SPECIES	INVADED	3
2	FORB	SALSOLA KALI	INVADED	1
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	24
5	GRASS	ELYMUS JUNCEUS	PLANTED	18
5	GRASS	AGROPYRON CRISTATUM	PLANTED	8
5	FORB	MELILOTUS OFFICINALIS	PLANTED	1
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	20

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HABITAT=SAGEBRUSH TRANSECT= 6 ORIENTATION = PERPENDICULAR TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
1	GRASS	ORYZOPSIS HYMENOIDES	PLANTED	3
1	FORB	CHENOPODIUM SPECIES	INVADED	2
1	SHRUB	ARTEMISIA TRIDENTATA	INVADED	34
2	FORB	CHENOPODIUM SPECIES	INVADED	20
2	GRASS	ORYZOPSIS HYMENOIDES	PLANTED	2
2	GRASS	AGROPYRON SPECIES	INVADED	2
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	56
2	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	12
3	FORB	CHENOPODIUM SPECIES	INVADED	3
3	SHRUB	ARTEMISIA TRIDENTATA	INVADED	56
6	FORB	CHENOPODIUM SPECIES	INVADED	2
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	56
7	FORB	CHENOPODIUM SPECIES	INVADED	8
7	FORB	CRYPTANTHA SERICEA	INVADED	2
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	44
10	FORB	CHENOPODIUM SPECIES	INVADED	65
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	56
11	FORB	CHENOPODIUM SPECIES	INVADED	55
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	40
11	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	4
12	FORB	CHENOPODIUM SPECIES	INVADED	45
12	GRASS	SITANION HYSTRIX	INVADED	8
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	38
12	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	8

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1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

HABITAT=SAGEBRUSH TRANSECT= 7 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
1	FORB	CRYPTANTHA SERICEA	INVADED	4
1	FORB	MACHAERANTHERA PATTERSONII	INVADED	5
1	FORB	LEPIDIUM MONTANUM	INVADED	2
1	GRASS	AGROPYRON SPECIES	INVADED	18
1	FORB	CHENOPODIUM SPECIES	INVADED	4
1	GRASS	SITANION HYSTRIX	INVADED	2
1	SHRUB	ARTEMISIA TRIDENTATA	INVADED	30
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	48
2	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	4
5	FORB	UNKNOWN FORB	INVADED	1
5	FORB	SALSOLA KALI	INVADED	1
5	GRASS	AGROPYRON SPECIES	INVADED	1
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	36
7	FORB	LEPIDIUM MONTANUM	INVADED	25
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	70
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	66
8	FORB	MACHAERANTHERA PATTERSONII	INVADED	8
8	FORB	LEPIDIUM MONTANUM	INVADED	25
8	FORB	PHYSARIA FLORIBUNDA	INVADED	1
10	FORB	CHENOPODIUM SPECIES	INVADED	2
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	68
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	100
11	FORB	CHENOPODIUM SPECIES	INVADED	8
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	56
12	FORB	CHENOPODIUM SPECIES	INVADED	30

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1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

HABITAT=SAGEBRUSH TRANSECT= 8 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
4	SHRUB	ARTEMISIA TRIDENTATA	INVADED	68
6	FORB	LEPIDIUM MONTANUM	INVADED	6
6	FORB	CHENOPODIUM SPECIES	INVADED	2
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	46

HABITAT=SAGEBRUSH TRANSECT= 8 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	FORB	LEPIDIUM MONTANUM	INVADED	8
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	60
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42
5	SHRUB	CHRYSOTHAMNUS NAUSEOSUS	INVADED	4

HABITAT=SAGEBRUSH TRANSECT= 8 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	42
12	FORB	CHENOPODIUM SPECIES	INVADED	6
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	88

HABITAT=SAGEBRUSH TRANSECT= 8 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	FORB	CHENOPODIUM SPECIES	INVADED	8
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	22
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	68
11	FORB	CHENOPODIUM SPECIES	INVADED	10
11	GRASS	ELYMUS JUNCEUS	PLANTED	12
11	FORB	MELILOTUS OFFICINALIS	PLANTED	2
11	GRASS	AGROPYRON SPECIES	PLANTED	10

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TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
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HABITAT=SAGEBRUSH TRANSECT= 9 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
1	FORB	LEPIDIUM MONTANUM	INVADED	25
1	FORB	CRYPTANTHA SERICEA	INVADED	5
1	SHRUB	ARTEMISIA TRIDENTATA	INVADED	92
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	96

HABITAT=SAGEBRUSH TRANSECT= 9 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	96
5	FORB	CHENOPODIUM SPECIES	INVADED	5
5	FORB	LEPIDIUM MONTANUM	INVADED	1
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	38

HABITAT=SAGEBRUSH TRANSECT= 9 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	54
7	FORB	CHENOPODIUM SPECIES	INVADED	12
12	FORB	CHENOPODIUM SPECIES	INVADED	8
12	GRASS	AGROPYRON SPECIES	PLANTED	4
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	80

HABITAT=SAGEBRUSH TRANSECT= 9 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = FERTILIZED

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	58
8	FORB	CHENOPODIUM SPECIES	INVADED	15
8	FORB	SALSOLA KALI	INVADED	4
8	GRASS	ELYMUS JUNCEUS	PLANTED	15
8	GRASS	AGROPYRON SPECIES	PLANTED	20
11	GRASS	ELYMUS JUNCEUS	PLANTED	20
11	FORB	CHENOPODIUM SPECIES	INVADED	10
11	GRASS	AGROPYRON SPECIES	PLANTED	10
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	44

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
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HABITAT=SAGEBRUSH TRANSECT= 10 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
1	GRASS	ORYZOPSIS HYMENOIDES	PLANTED	5
1	FORB	MACHAERANTHERA PATTERSONII	INVADED	2
1	FORB	CHENOPODIUM SPECIES	INVADED	2
1	GRASS	ARTEMISIA TRIDENTATA	INVADED	48
3	SHRUB	ARTEMISIA TRIDENTATA	INVADED	92

HABITAT=SAGEBRUSH TRANSECT= 10 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	FORB	CHENOPODIUM SPECIES	INVADED	4
2	FORB	CRYPTANTHA SERICEA	INVADED	3
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	92
5	FORB	CHENOPODIUM SPECIES	INVADED	15
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	40

HABITAT=SAGEBRUSH TRANSECT= 10 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
7	GRASS	AGROPYRON SPECIES	PLANTED	8
7	SHRUB	ARTEMISIA TRIDENTATA	INVADED	36
7	FORB	CHENOPODIUM SPECIES	PLANTED	2
9	SHRUB	ARTEMISIA TRIDENTATA	INVADED	30
9	FORB	CHENOPODIUM SPECIES	INVADED	8

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HABITAT=SAGEBRUSH TRANSECT= 10 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	FORB	CHENOPODIUM SPECIES	INVADED	15
8	GRASS	AGROPYRON SPECIES	PLANTED	20
8	GRASS	ELYMUS JUNCEUS	PLANTED	15
11	GRASS	ELYMUS JUNCEUS	PLANTED	2
11	GRASS	AGROPYRON SPECIES	PLANTED	2
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	4

RIO BLANCO OIL SHALE COMPANY
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HABITAT=SAGEBRUSH TRANSECT= 11 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
3	FORB	CHENOPODIUM SPECIES	INVADED	30
3	SHRUB	ARTEMISIA TRIDENTATA	INVADED	72
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	70
6	FORB	CHENOPODIUM SPECIES	INVADED	10

HABITAT=SAGEBRUSH TRANSECT= 11 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	FORB	CHENOPODIUM SPECIES	INVADED	15
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	44
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	64

HABITAT=SAGEBRUSH TRANSECT= 11 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
10	FORB	MELILOTUS OFFICINALIS	PLANTED	3
10	GRASS	AGROPYRON SPECIES	PLANTED	2
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	72
12	FORB	CHENOPODIUM SPECIES	INVADED	15
12	GRASS	ELYMUS JUNCEUS	PLANTED	5
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	34

HABITAT=SAGEBRUSH TRANSECT= 11 ORIENTATION = PARALLEL TO WIND
SEEDING= SEEDED CHOPPING= ROTOCHOPPED FERTILIZER = NOT FERTILIZED

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PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
8	FORB	CHENOPODIUM SPECIES	INVADED	18
8	GRASS	AGROPYRON SPECIES	PLANTED	15
8	GRASS	AGROPYRON CRISTATUM	PLANTED	5
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	56
11	GRASS	ELYMUS JUNCEUS	PLANTED	15
11	GRASS	AGROPYRON SPECIES	PLANTED	15
11	FORB	CHENOPODIUM SPECIES	INVADED	18
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	14

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HABITAT=SAGEBRUSH TRANSECT= 12 ORIENTATION = PARALLEL TO WIND
SEEDING= NOT SEEDED CHOPPING= NOT CHOPPED FERTILIZER = NOT FERTILIZED

PLOT	GROWTH FORM	SPECIES	SPECIES TYPE	COVER
2	FORB	CHENOPODIUM SPECIES	INVADED	35
2	SHRUB	ARTEMISIA TRIDENTATA	INVADED	52
3	FORB	CHENOPODIUM SPECIES	INVADED	16
3	SHRUB	ARTEMISIA TRIDENTATA	INVADED	74
5	FORB	CHENOPODIUM SPECIES	INVADED	13
5	SHRUB	ARTEMISIA TRIDENTATA	INVADED	78
6	FORB	CHENOPODIUM SPECIES	INVADED	2
6	SHRUB	ARTEMISIA TRIDENTATA	INVADED	70
8	FORB	CHENOPODIUM SPECIES	INVADED	10
8	SHRUB	ARTEMISIA TRIDENTATA	INVADED	46
10	FORB	CHENOPODIUM SPECIES	INVADED	3
10	SHRUB	ARTEMISIA TRIDENTATA	INVADED	66
11	SHRUB	ARTEMISIA TRIDENTATA	INVADED	20
11	FORB	CHENOPODIUM SPECIES	INVADED	18
12	SHRUB	ARTEMISIA TRIDENTATA	INVADED	88
12	FORB	CHENOPODIUM SPECIES	INVADED	2

APPENDIX 6-2.2

Mule Deer Habitat Modification Studies Analyses

Duncan's Multiple Range Test results
for significant main effect
differences as identified
for analyses summarized on
Table 6-11

RIO BLANCO OIL SHALE COMPANY
TERRESTRIAL STUDIES MONITORING PROGRAM - SPECIAL STUDIES
1984 HABITAT MODIFICATION STUDY - MULEDEER HABITAT ENHANCEMENT

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PARALLEL TO WIND

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ASPC
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=111 MSE=0.120396

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=57.6471

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEED
A	0.38532	70	NOT SEEDED
B	0.22759	49	SEEDED

THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PERPENDICULAR TO WIND

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ASPC
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=140 MSE=.0483544

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=71.7162

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	CHOP
A	0.22867	87	NOT CHOPPED
B	0.12702	61	ROTOCHOPPED

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THREE-WAY MODEL I ANALYSIS OF VARIANCE
ORIENTATION=PERPENDICULAR TO WIND

GENERAL LINEAR MODELS PROCEDURE

DUNCAN'S MULTIPLE RANGE TEST FOR VARIABLE: ASPC
NOTE: THIS TEST CONTROLS THE TYPE I COMPARISONWISE ERROR RATE,
NOT THE EXPERIMENTWISE ERROR RATE.

ALPHA=0.05 DF=140 MSE=.0483544

WARNING: CELL SIZES ARE NOT EQUAL.
HARMONIC MEAN OF CELL SIZES=72.3649

MEANS WITH THE SAME LETTER ARE NOT SIGNIFICANTLY DIFFERENT.

DUNCAN GROUPING	MEAN	N	SEED
A			
A	0.21485	85	NOT SEEDED
A			
	0.14890	63	SEEDED

APPENDIX 6-3

Shrub Growth Enhancement Studies

APPENDIX 6-3.1

Shrub Growth Enhancement Studies Data

RIO BLANCO OIL SHALE COMPANY
SHRUB GROWTH ENHANCEMENT STUDY
PLANT HEIGHT AND DIAMETER DATA

REPORT YEAR = 1984
SAMPLE MONTH = SEPTEMBER

ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
A	1	1	2	2	RHUS TRILOBATA		52	46

FENCE	SOIL	SLOPE
1=DEER EXCLUDED	1=TOPSOIL COVERING	1=WATER BAR
2=DEER NOT EXCLUDED	2=NO TOPSOIL COVERING	2=NO WATER BAR
		3=BENCH

RIO BLANCO OIL SHALE COMPANY
SHRUB GROWTH ENHANCEMENT STUDY
PLANT HEIGHT AND DIAMETER DATA

REPORT YEAR = 1984
SAMPLE MONTH = SEPTEMBER

ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
A	2	1	2	2	AMELANCHIER ALNIFOLIA		.	.
A	3	1	2	2	ARTEMISIA ABROTANUM		28	62
A	4	1	2	2	ARTEMISIA ABROTANUM		26	55
A	5	1	2	2	RHUS TRILOBATA		40	32
A	6	1	2	2	AMELANCHIER ALNIFOLIA		.	.
A	7	1	2	2	AMELANCHIER ALNIFOLIA		.	.
A	8	1	2	2	ARTEMISIA ABROTANUM		64	125
A	9	1	2	2	RHUS TRILOBATA		74	85
A	10	1	2	2	RHUS TRILOBATA		65	47
A	11	1	2	2	AMELANCHIER ALNIFOLIA		33	30
A	12	1	2	2	ARTEMISIA ABROTANUM		40	61
A	13	1	2	2	ARTEMISIA ABROTANUM		33	64
A	14	1	2	2	RHUS TRILOBATA		35	13
A	15	1	2	2	AMELANCHIER ALNIFOLIA		.	.
A	16	1	2	2	AMELANCHIER ALNIFOLIA		14	14
A	17	1	2	2	ARTEMISIA ABROTANUM		34	66
A	18	1	2	2	RHUS TRILOBATA		.	.
A	19	2	2	2	RHUS TRILOBATA		36	31
A	20	2	2	2	AMELANCHIER ALNIFOLIA		.	.
A	21	2	2	2	ARTEMISIA ABROTANUM		34	75

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RIO BLANCO OIL SHALE COMPANY
SHRUB GROWTH ENHANCEMENT STUDY
PLANT HEIGHT AND DIAMETER DATA

REPORT YEAR = 1984
SAMPLE MONTH = SEPTEMBER

ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
A	22	2	2	2	ARTEMISIA ABROTANUM		43	61
A	23	2	2	2	RHUS TRILOBATA		.	.
A	24	2	2	2	AMELANCHIER ALNIFOLIA		.	.
A	25	2	2	2	AMELANCHIER ALNIFOLIA		.	.
A	26	2	2	2	ARTEMISIA ABROTANUM		27	61
A	27	2	2	2	RHUS TRILOBATA		.	.
A	28	2	2	2	RHUS TRILOBATA		48	66
A	29	2	2	2	AMELANCHIER ALNIFOLIA		.	.
A	30	2	2	2	ARTEMISIA ABROTANUM		60	89
A	31	2	2	2	ARTEMISIA ABROTANUM		56	84
A	32	2	2	2	RHUS TRILOBATA		31	31
A	33	2	2	2	AMELANCHIER ALNIFOLIA		.	.
A	34	2	2	2	AMELANCHIER ALNIFOLIA		.	.
A	35	2	2	2	ARTEMISIA ABROTANUM		26	55
A	36	2	2	2	RHUS TRILOBATA		42	51
B	1	1	3	2	FALLUGIA PARADOXA		39	42
B	2	1	3	2	ATRIPLEX CANESCENS		91	107
B	3	1	3	2	AMELANCHIER ALNIFOLIA		12	12
B	4	1	3	2	RHUS TRILOBATA		26	27
B	5	1	3	2	FORESTERIA NEOMEXICANA		55	30

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ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
B	6	1	3	2	ROBINEA NEOMEXICANA		94	81
B	7	1	3	2	ATRIPLEX CANESCENS		.	.
B	8	1	3	2	ROBINEA NEOMEXICANA		72	45
B	9	1	3	2	FORESTERIA NEOMEXICANA		47	30
B	10	1	3	2	RHUS TRILOBATA		35	49
B	11	1	3	2	ARTEMISIA ABROTANUM		23	33
B	12	1	3	2	ATRIPLEX CANESCENS		74	70
B	13	1	3	2	AMELANCHIER ALNIFOLIA		29	26
B	14	1	3	2	ROBINEA NEOMEXICANA		120	67
B	15	1	3	2	FALLUGIA PARADOXA		66	68
B	16	1	3	2	ATRIPLEX CANESCENS		61	69
B	17	1	3	2	ARTEMISIA ABROTANUM		57	93
B	18	1	3	2	RHUS TRILOBATA		64	63
B	19	1	3	2	AMELANCHIER ALNIFOLIA		60	36
B	20	1	3	2	FORESTERIA NEOMEXICANA		61	45
B	21	1	3	2	ROBINEA NEOMEXICANA		141	60
B	22	1	3	2	RHUS TRILOBATA		56	48
B	23	1	3	2	FALLUGIA PARADOXA		66	79
B	24	1	3	2	AMELANCHIER ALNIFOLIA		.	.
B	25	1	3	2	ATRIPLEX CANESCENS		82	96

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B	26	1	3	2	FORESTERIA NEOMEXICANA		36	10
B	27	1	3	2	ROBINEA NEOMEXICANA		115	66
B	28	1	3	2	ARTEMISIA ABROTANUM		.	.
B	29	1	3	2	ARTEMISIA ABROTANUM		35	55
B	30	1	3	2	FORESTERIA NEOMEXICANA		57	67
B	31	1	3	2	ROBINEA NEOMEXICANA		113	68
B	32	1	3	2	ATRIPLEX CANESCENS		.	.
B	33	1	3	2	RHUS TRILOBATA		23	26
B	34	1	3	2	FALLUGIA PARADOXA		57	58
B	35	1	3	2	AMELANCHIER ALNIFOLIA		.	.
B	36	1	3	2	ROBINEA NEOMEXICANA		135	79
B	37	1	3	2	ARTEMISIA ABROTANUM		29	58
B	38	1	3	2	FALLUGIA PARADOXA		62	61
B	39	1	3	2	FORESTERIA NEOMEXICANA		46	44
B	40	1	3	2	RHUS TRILOBATA		38	35
B	41	1	3	2	AMELANCHIER ALNIFOLIA		.	.
B	42	1	3	2	ATRIPLEX CANESCENS		.	.
B	43	2	3	2	FORESTERIA NEOMEXICANA		17	10
B	44	2	3	2	ROBINEA NEOMEXICANA		39	53
B	45	2	3	2	ARTEMISIA ABROTANUM		26	50

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B	46	2	3	2	AMELANCHIER ALNIFOLIA		17	20
B	47	2	3	2	FALLUGIA PARADOXA		.	.
B	48	2	3	2	RHUS TRILOBATA		34	46
B	49	2	3	2	ATRIPLEX CANESCENS		.	.
B	50	2	3	2	RHUS TRILOBATA		46	53
B	51	2	3	2	FALLUGIA PARADOXA		43	51
B	52	2	3	2	AMELANCHIER ALNIFOLIA		.	.
B	53	2	3	2	ATRIPLEX CANESCENS		.	.
B	54	2	3	2	FORESTERIA NEOMEXICANA		72	33
B	55	2	3	2	ROBINEA NEOMEXICANA		71	47
B	56	2	3	2	ARTEMISIA ABROTANUM		22	46
B	57	2	3	2	RHUS TRILOBATA		31	39
B	58	2	3	2	ROBINEA NEOMEXICANA		61	48
B	59	2	3	2	FALLUGIA PARADOXA		46	62
B	60	2	3	2	AMELANCHIER ALNIFOLIA		41	23
B	61	2	3	2	ATRIPLEX CANESCENS		.	.
B	62	2	3	2	ARTEMISIA ABROTANUM		21	45
B	63	2	3	2	FORESTERIA NEOMEXICANA		43	33
B	64	2	3	2	FALLUGIA PARADOXA		25	22
B	65	2	3	2	ARTEMISIA ABROTANUM		36	51

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B	66	2	3	2	ROBINEA NEOMEXICANA		60	80
B	67	2	3	2	FORESTERIA NEOMEXICANA		72	28
B	68	2	3	2	ATRIPLEX CANESCENS		.	.
B	69	2	3	2	RHUS TRILOBATA		45	42
B	70	2	3	2	AMELANCHIER ALNIFOLIA		.	.
B	71	2	3	2	RHUS TRILOBATA		15	12
B	72	2	3	2	FORESTERIA NEOMEXICANA		37	38
B	73	2	3	2	ATRIPLEX CANESCENS		.	.
B	74	2	3	2	ROBINEA NEOMEXICANA		57	42
B	75	2	3	2	AMELANCHIER ALNIFOLIA		.	.
B	76	2	3	2	FALLUGIA PARADOXA		.	.
B	77	2	3	2	ARTEMISIA ABROTANUM		15	43
B	78	2	3	2	AMELANCHIER ALNIFOLIA		32	25
B	79	2	3	2	ARTEMISIA ABROTANUM		9	19
B	80	2	3	2	ATRIPLEX CANESCENS		.	.
B	81	2	3	2	FORESTERIA NEOMEXICANA		43	40
B	82	2	3	2	RHUS TRILOBATA		19	34
B	83	2	3	2	ROBINEA NEOMEXICANA		82	86
B	84	2	3	2	AMELANCHIER ALNIFOLIA		.	.
C	1	1	3	2	RHUS TRILOBATA		65	45

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ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
C	2	1	3	2	ATRIPLEX CANESCENS		89	108
C	3	1	3	2	FORESTERIA NEOMEXICANA		42	45
C	4	1	3	2	FALLUGIA PARADOXA		76	74
C	5	1	3	2	AMELANCHIER ALNIFOLIA		.	.
C	6	1	3	2	ROBINEA NEOMEXICANA		5	5
C	7	1	3	2	ARTEMISIA ABROTANUM		17	48
C	8	1	3	2	FORESTERIA NEOMEXICANA		49	13
C	9	1	3	2	AMELANCHIER ALNIFOLIA		.	.
C	10	1	3	2	ATRIPLEX CANESCENS		74	83
C	11	1	3	2	FALLUGIA PARADOXA		37	39
C	12	1	3	2	ARTEMISIA ABROTANUM		30	61
C	13	1	3	2	RHUS TRILOBATA		36	49
C	14	1	3	2	ROBINEA NEOMEXICANA		166	112
C	15	1	3	2	ATRIPLEX CANESCENS		94	184
C	16	1	3	2	FORESTERIA NEOMEXICANA		49	20
C	17	1	3	2	AMELANCHIER ALNIFOLIA		31	37
C	18	1	3	2	RHUS TRILOBATA		53	48
C	19	1	3	2	ARTEMISIA ABROTANUM		45	88
C	20	1	3	2	ROBINEA NEOMEXICANA		187	108
C	21	1	3	2	FALLUGIA PARADOXA		37	46

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ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
C	22	1	3	2	FORESTERIA NEOMEXICANA		80	41
C	23	1	3	2	AMELANCHIER ALNIFOLIA		18	24
C	24	1	3	2	ATRIPLEX CANESCENS		118	177
C	25	1	3	2	RHUS TRILOBATA		25	26
C	26	1	3	2	FALLUGIA PARADOXA		63	68
C	27	1	3	2	ARTEMISIA ABROTANUM		34	70
C	28	1	3	2	ROBINEA NEOMEXICANA		138	35
C	29	1	3	2	ATRIPLEX CANESCENS		90	47
C	30	1	3	2	FORESTERIA NEOMEXICANA		67	31
C	31	1	3	2	ARTEMISIA ABROTANUM		39	70
C	32	1	3	2	ROBINEA NEOMEXICANA		87	84
C	33	1	3	2	FALLUGIA PARADOXA		22	19
C	34	1	3	2	AMELANCHIER ALNIFOLIA		9	12
C	35	1	3	2	RHUS TRILOBATA		38	49
C	36	1	3	2	AMELANCHIER ALNIFOLIA		4	10
C	37	1	3	2	FORESTERIA NEOMEXICANA		54	52
C	38	1	3	2	ARTEMISIA ABROTANUM		33	67
C	39	1	3	2	ATRIPLEX CANESCENS		89	87
C	40	1	3	2	ROBINEA NEOMEXICANA		142	58
C	41	1	3	2	FALLUGIA PARADOXA		58	31

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C	42	1	3	2	RHUS TRILOBATA		42	26
C	43	2	3	2	RHUS TRILOBATA		23	23
C	44	2	3	2	AMELANCHIER ALNIFOLIA		18	25
C	45	2	3	2	FORESTERIA NEOMEXICANA		38	27
C	46	2	3	2	ARTEMISIA ABROTANUM		42	77
C	47	2	3	2	ATRIPLEX CANESCENS		.	.
C	48	2	3	2	ROBINEA NEOMEXICANA		96	87
C	49	2	3	2	FALLUGIA PARADOXA		48	47
C	50	2	3	2	RHUS TRILOBATA		42	30
C	51	2	3	2	FALLUGIA PARADOXA		42	49
C	52	2	3	2	ATRIPLEX CANESCENS		.	.
C	53	2	3	2	ROBINEA NEOMEXICANA		70	66
C	54	2	3	2	ARTEMISIA ABROTANUM		38	76
C	55	2	3	2	FORESTERIA NEOMEXICANA		65	32
C	56	2	3	2	AMELANCHIER ALNIFOLIA		35	25
C	57	2	3	2	RHUS TRILOBATA		58	72
C	58	2	3	2	FORESTERIA NEOMEXICANA		68	42
C	59	2	3	2	FALLUGIA PARADOXA		63	81
C	60	2	3	2	ROBINEA NEOMEXICANA		68	86
C	61	2	3	2	AMELANCHIER ALNIFOLIA		10	16

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C	62	2	3	2	ARTEMISIA ABROTANUM		58	92
C	63	2	3	2	ATRIPLEX CANESCENS		.	.
C	64	2	3	2	FALLUGIA PARADOXA		67	89
C	65	2	3	2	ARTEMISIA ABROTANUM		43	72
C	66	2	3	2	FORESTERIA NEOMEXICANA		80	45
C	67	2	3	2	RHUS TRILOBATA		19	33
C	68	2	3	2	ATRIPLEX CANESCENS		.	.
C	69	2	3	2	AMELANCHIER ALNIFOLIA		34	31
C	70	2	3	2	ROBINEA NEOMEXICANA		136	98
C	71	2	3	2	ATRIPLEX CANESCENS		83	94
C	72	2	3	2	RHUS TRILOBATA		32	34
C	73	2	3	2	ROBINEA NEOMEXICANA		51	46
C	74	2	3	2	FALLUGIA PARADOXA		47	47
C	75	2	3	2	FORESTERIA NEOMEXICANA		32	21
C	76	2	3	2	ARTEMISIA ABROTANUM		26	51
C	77	2	3	2	AMELANCHIER ALNIFOLIA		14	17
C	78	2	3	2	RHUS TRILOBATA		41	31
C	79	2	3	2	ROBINEA NEOMEXICANA		109	59
C	80	2	3	2	ARTEMISIA ABROTANUM		29	56
C	81	2	3	2	AMELANCHIER ALNIFOLIA		.	.

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C	82	2	3	2	FALLUGIA PARADOXA		.	.
C	83	2	3	2	ATRIPLEX CANESCENS		.	.
C	84	2	3	2	FORESTERIA NEOMEXICANA		37	20
D	1	1	2	1	RIBES CEREUM (SHORT)		28	25
D	2	1	2	1	RHUS TRILOBATA		30	21
D	3	1	2	1	SHEPHERDIA ARGENTEA (TALL)		32	14
D	4	1	2	1	AMELANCHIER ALNIFOLIA		3	7
D	5	1	2	1	ATRIPLEX CANESCENS		110	122
D	6	1	2	1	ARTEMISIA ABROTANUM		27	53
D	7	1	2	1	FORESTERIA NEOMEXICANA		51	44
D	8	1	2	1	FORESTERIA NEOMEXICANA		.	.
D	9	1	2	1	RHUS TRILOBATA		32	20
D	10	1	2	1	AMELANCHIER ALNIFOLIA		17	18
D	11	1	2	1	ATRIPLEX CANESCENS		89	113
D	12	1	2	1	ARTEMISIA ABROTANUM		32	29
D	13	1	2	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
D	14	1	2	1	RIBES CEREUM (TALL)		14	11
D	15	1	2	1	RIBES CEREUM (TALL)		9	4
D	16	1	2	1	ARTEMISIA ABROTANUM		36	34
D	17	1	2	1	FORESTERIA NEOMEXICANA		.	.

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D	18	1	2	1	RHUS TRILOBATA		16	10
D	19	1	2	1	AMELANCHIER ALNIFOLIA		.	.
D	20	1	2	1	ATRIPLEX CANESCENS		90	160
D	21	1	2	1	RIBES CEREUM (SHORT)		.	.
D	22	1	2	1	ATRIPLEX CANESCENS		113	190
D	23	1	2	1	ARTEMISIA ABROTANUM		32	33
D	24	1	2	1	FORESTERIA NEOMEXICANA		43	23
D	25	1	2	1	RHUS TRILOBATA		24	20
D	26	1	2	1	AMELANCHIER ALNIFOLIA		.	.
D	27	1	2	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
D	28	1	2	1	SHEPHERDIA ARGENTEA (TALL)		.	.
D	29	1	2	1	AMELANCHIER ALNIFOLIA		.	.
D	30	1	2	1	ATRIPLEX CANESCENS		96	116
D	31	1	2	1	ARTEMISIA ABROTANUM		.	.
D	32	1	2	1	FORESTERIA NEOMEXICANA		34	20
D	33	1	2	1	RHUS TRILOBATA		19	14
D	34	1	2	1	RIBES CEREUM (TALL)		13	16
D	35	1	2	1	RHUS TRILOBATA		29	26
D	36	1	2	1	AMELANCHIER ALNIFOLIA		.	.
D	37	1	2	1	ATRIPLEX CANESCENS		94	148

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D	38	1	2	1	ARTEMISIA ABROTANUM		.	.
D	39	1	2	1	FORESTERIA NEOMEXICANA		46	25
D	40	1	2	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
D	41	1	2	1	SHEPHERDIA ARGENTEA (TALL)		.	.
D	42	1	2	1	RIBES CEREUM (SHORT)		7	2
D	43	2	2	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
D	44	2	2	1	FORESTERIA NEOMEXICANA		.	.
D	45	2	2	1	RHUS TRILOBATA		.	.
D	46	2	2	1	AMELANCHIER ALNIFOLIA		.	.
D	47	2	2	1	ATRIPLEX CANESCENS		97	91
D	48	2	2	1	ARTEMISIA ABROTANUM		.	.
D	49	2	2	1	RIBES CEREUM (TALL)		7	4
D	50	2	2	1	SHEPHERDIA ARGENTEA (TALL)		.	.
D	51	2	2	1	ARTEMISIA ABROTANUM		23	38
D	52	2	2	1	AMELANCHIER ALNIFOLIA		.	.
D	53	2	2	1	ATRIPLEX CANESCENS		117	177
D	54	2	2	1	RHUS TRILOBATA		.	.
D	55	2	2	1	FORESTERIA NEOMEXICANA		48	22
D	56	2	2	1	ATRIPLEX CANESCENS		.	.
D	57	2	2	1	RIBES CEREUM (SHORT)		.	.

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RIO BLANCO OIL SHALE COMPANY
SHRUB GROWTH ENHANCEMENT STUDY
PLANT HEIGHT AND DIAMETER DATA

REPORT YEAR = 1984
SAMPLE MONTH = SEPTEMBER

ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
D	58	2	2	1	RIBES CEREUM (SHORT)		.	.
D	59	2	2	1	ATRIPLEX CANESCENS		87	120
D	60	2	2	1	ARTEMISIA ABROTANUM		25	38
D	61	2	2	1	RHUS TRILOBATA		.	.
D	62	2	2	1	FORESTERIA NEOMEXICANA		31	15
D	63	2	2	1	AMELANCHIER ALNIFOLIA		.	.
D	64	2	2	1	SHEPHERDIA ARGENTEA (TALL)		.	.
D	65	2	2	1	FORESTERIA NEOMEXICANA		48	31
D	66	2	2	1	ATRIPLEX CANESCENS		97	163
D	67	2	2	1	AMELANCHIER ALNIFOLIA		.	.
D	68	2	2	1	ARTEMISIA ABROTANUM		.	.
D	69	2	2	1	RHUS TRILOBATA		39	29
D	70	2	2	1	RIBES CEREUM (TALL)		13	7
D	71	2	2	1	FORESTERIA NEOMEXICANA		30	11
D	72	2	2	1	RHUS TRILOBATA		26	24
D	73	2	2	1	ATRIPLEX CANESCENS		.	.
D	74	2	2	1	ARTEMISIA ABROTANUM		41	49
D	75	2	2	1	AMELANCHIER ALNIFOLIA		.	.
D	76	2	2	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
D	77	2	2	1	FORESTERIA NEOMEXICANA		36	23

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ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
D	78	2	2	1	AMELANCHIER ALNIFOLIA		.	.
D	79	2	2	1	ARTEMISIA ABROTANUM		.	.
D	80	2	2	1	ATRIPLEX CANESCENS		89	171
D	81	2	2	1	RHUS TRILOBATA		.	.
D	82	2	2	1	SHEPHERDIA ARGENTEA (TALL)		.	.
D	83	2	2	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
D	84	2	2	1	RIBES CEREUM (TALL)		21	17
D	85	2	2	1	RIBES CEREUM (SHORT)		.	.
E	1	1	1	1	RIBES CEREUM (SHORT)		44	38
E	2	1	1	1	ATRIPLEX CANESCENS		122	142
E	3	1	1	1	ARTEMISIA ABROTANUM		.	.
E	4	1	1	1	RHUS TRILOBATA		62	87
E	5	1	1	1	FORESTERIA NEOMEXICANA		54	37
E	6	1	1	1	AMELANCHIER ALNIFOLIA		.	.
E	7	1	1	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
E	8	1	1	1	RHUS TRILOBATA		.	.
E	9	1	1	1	ATRIPLEX CANESCENS		121	198
E	10	1	1	1	AMELANCHIER ALNIFOLIA		.	.
E	11	1	1	1	ARTEMISIA ABROTANUM		.	.
E	12	1	1	1	FORESTERIA NEOMEXICANA		77	24

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ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
E	13	1	1	1	SHEPHERDIA ARGENTEA (TALL)		38	16
E	14	1	1	1	RIBES CEREUM (TALL)		63	28
E	15	1	1	1	FORESTERIA NEOMEXICANA		83	36
E	16	1	1	1	RHUS TRILOBATA		.	.
E	17	1	1	1	ATRIPLEX CANESCENS		.	.
E	18	1	1	1	ARTEMISIA ABROTANUM		63	73
E	19	1	1	1	AMELANCHIER ALNIFOLIA		14	17
E	20	1	1	1	RIBES CEREUM (SHORT)		48	26
E	21	1	1	1	FORESTERIA NEOMEXICANA		83	26
E	22	1	1	1	ARTEMISIA ABROTANUM		.	.
E	23	1	1	1	AMELANCHIER ALNIFOLIA		.	.
E	24	1	1	1	RHUS TRILOBATA		.	.
E	25	1	1	1	ATRIPLEX CANESCENS		60	73
E	26	1	1	1	RIBES CEREUM (TALL)		9	6
E	27	1	1	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
E	28	1	1	1	RHUS TRILOBATA		.	.
E	29	1	1	1	ARTEMISIA ABROTANUM		.	.
E	30	1	1	1	ATRIPLEX CANESCENS		.	.
E	31	1	1	1	AMELANCHIER ALNIFOLIA		24	17
E	32	1	1	1	FORESTERIA NEOMEXICANA		.	.

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E	33	1	1	1	SHEPHERDIA ARGENTEA (TALL)		6	5
E	34	1	1	1	AMELANCHIER ALNIFOLIA		.	.
E	35	1	1	1	ATRIPLEX CANESCENS		.	.
E	36	1	1	1	ARTEMISIA ABROTANUM		61	91
E	37	1	1	1	FORESTERIA NEOMEXICANA		31	22
E	38	1	1	1	RHUS TRILOBATA		.	.
E	39	1	1	1	SHEPHERDIA ARGENTEA (TALL)		.	.
E	40	1	1	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
E	41	1	1	1	RIBES CEREUM (TALL)		.	.
E	42	1	1	1	RIBES CEREUM (SHORT)		40	9
E	43	2	1	1	RIBES CEREUM (TALL)		.	.
E	44	2	1	1	FORESTERIA NEOMEXICANA		41	17
E	45	2	1	1	RHUS TRILOBATA		34	20
E	46	2	1	1	AMELANCHIER ALNIFOLIA		.	.
E	47	2	1	1	ARTEMISIA ABROTANUM		32	60
E	48	2	1	1	ATRIPLEX CANESCENS		.	.
E	49	2	1	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
E	50	2	1	1	SHEPHERDIA ARGENTEA (TALL)		.	.
E	51	2	1	1	ATRIPLEX CANESCENS		.	.
E	52	2	1	1	ARTEMISIA ABROTANUM		37	63

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E	53	2	1	1	FORESTERIA NEOMEXICANA		38	28
E	54	2	1	1	RHUS TRILOBATA		.	.
E	55	2	1	1	AMELANCHIER ALNIFOLIA		.	.
E	56	2	1	1	RIBES CEREUM (SHORT)		2	7
E	57	2	1	1	SHEPHERDIA ARGENTEA (TALL)		5	4
E	58	2	1	1	ATRIPLEX CANESCENS		.	.
E	59	2	1	1	RHUS TRILOBATA		.	.
E	60	2	1	1	ARTEMISIA ABROTANUM		57	78
E	61	2	1	1	AMELANCHIER ALNIFOLIA		.	.
E	62	2	1	1	RIBES CEREUM (TALL)		.	.
E	63	2	1	1	FORESTERIA NEOMEXICANA		38	19
E	64	2	1	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
E	65	2	1	1	ATRIPLEX CANESCENS		.	.
E	66	2	1	1	AMELANCHIER ALNIFOLIA		.	.
E	67	2	1	1	ARTEMISIA ABROTANUM		.	.
E	68	2	1	1	RHUS TRILOBATA		.	.
E	69	2	1	1	FORESTERIA NEOMEXICANA		33	12
E	70	2	1	1	RIBES CEREUM (SHORT)		17	11
E	71	2	1	1	RHUS TRILOBATA		.	.
E	72	2	1	1	FORESTERIA NEOMEXICANA		16	12

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ROW	PLANT NUM	FENCE	SLOPE	SOIL	SPECIES	STATUS	HEIGHT	DIAMETER
E	73	2	1	1	ATRIPLEX CANESCENS		.	.
E	74	2	1	1	AMELANCHIER ALNIFOLIA		.	.
E	75	2	1	1	ARTEMISIA ABROTANUM		25	34
E	76	2	1	1	RIBES CEREUM (SHORT)		12	6
E	77	2	1	1	ATRIPLEX CANESCENS		.	.
E	78	2	1	1	ARTEMISIA ABROTANUM		37	63
E	79	2	1	1	FORESTERIA NEOMEXICANA		30	15
E	80	2	1	1	RHUS TRILOBATA		.	.
E	81	2	1	1	AMELANCHIER ALNIFOLIA		.	.
E	82	2	1	1	SHEPHERDIA ARGENTEA (SHORT)		.	.
E	83	2	1	1	RIBES CEREUM (TALL)		.	.
E	84	2	1	1	SHEPHERDIA ARGENTEA (TALL)		.	.

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(June 1984)

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